Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

Volume 150 No. 26 December 23, 1946

RECEIVED
DEC 23 1946
THE CHEMISTS' CLUB
LIBRARY

Zinc Dimethyldithiocarbamate
Zinc Diethyldithiocarbamate
Zinc Dibutyldithiocarbamate
Selenium Diethyldithiocarbamate

Sharples Chemicals Inc. PHILADELPHIA · CHICAGO · NEW YORK

PROPRIETARY SOLVENT
(GRAYSOL No. 1)
TANK CARS TANK WAGONS DRUMS
WM. S. GRAY & CO.
342 MADISON AVENUE, NEW YORK 17, N. Y.
Cable Address: GRAYLIME Phone: MUrray Hill 2-3100

Baker's Analyzed Reagent Fine Chemicals
CTAB
Cetyl Trimethyl Ammonium Bromide
J. T. Baker Chemical Co. Phillipsburg, N. J.
NEW YORK · PHILADELPHIA · BOSTON · CHICAGO

To all—a Merry Christmas
and a Happy New Year
PRIOR CHEMICAL

DU PONT
REG. U.S. PAT. OFF.
SYMBOLS OF PROGRESS
IN THE DEVELOPMENT
OF HIGH-PRESSURE
SYNTHETIC CHEMICALS
HIGH-PRESSURE SYNTHETIC CHEMICALS
E. I. DU PONT DE NEMOURS & CO.
INCORPORATED
Ammonia Department . . . Wilmington 98, Del.
BETTER THINGS for BETTER LIVING . . . THROUGH CHEMISTRY

BORAX and BORIC ACID
TECHNICAL · U.S.P. · SPECIAL QUALITY
CRYSTAL · GRANULATED · POWDERED
IMPALPABLE · ANHYDROUS
- Sodium Metaborate
- Potassium Borate
- Ammonium Biborate
- Ammonium Pentaborate

PACIFIC COAST BORAX COMPANY
51 MADISON AVE., NEW YORK 10 · CHICAGO 16 · LOS ANGELES 14

Yeast and liver

TWO of the most potent, natural sources of the B-complex combined **IN ONE PRODUCT**

Fleischmann's Yeast Extract and Liver

Some physicians consider yeast the best natural source of the Vitamin B-complex. Others favor liver. Certainly, yeast and liver are *two of the most potent natural sources.* You get *both* in Fleischmann's Yeast Extract and Liver.

This product is guaranteed (or your money back) to contain 600 micrograms of Thiamin (B_1), 200 micrograms of Riboflavin, and 800 micrograms of Niacin per gram. It is also a rich source of Pyridoxine, Pantothenic Acid, and other factors of the Vitamin B-complex natural to yeast and liver.

STANDARD BRANDS INCORPORATED

Pharmaceutical Division 595 Madison Avenue New York 22, N. Y.

RECEIVED
DEC 23 1946
THE CHEMISTS' CLUB
LIBRARY

Oil, Paint and Drug Reporter

Volume 150 No. 26 | New York 7, N. Y. | December 23, 1946

Water-Rail Differential Pre-Hearing Jan. 16

OPD Washington Bureau

An investigation of water-rail rate differentials as the first step in a broad inquiry which later will examine coastwise water and rail rates as well has been ordered by the Interstate Commerce Commission. A pre-hearing conference on the rate differentials was set for January 16 by the commission.

In another order issued simultaneously, the commission projected investigations of the all-rail rates as well as the all-water rates of the Atlantic coastwise trade, including that affecting the Gulf, and of the Pacific coastwise trade. The commission said, however, that it did not have sufficient data to go ahead with these phases of the inquiry and directed the interested parties to furnish the required information as soon as possible.

The investigations were hailed by the United States Maritime Commission as recognition of the "urgency of the major situation threatening the continued existence of domestic shipping." The Maritime Commission has been maintaining the domestic shipping services since the war because the coastwise fleet owners have been reluctant to take their vessels back while competing rail rates were so low as to require operation of the vessels at a loss.

The investigations ordered by the ICC were on petition of the Maritime Commission. The latter commission said that while the recent permission granted to domestic rail and water carriers to increase all rates January 1 was an initial step towards the goal of turning the coastwise fleet back to its owners, the completion of the investigations now authorized and further rate relief therefrom will undoubtedly prove necessary before domestic shipping can be established on a sound compensatory basis under private operation.

Explosives Transport Rules Change Planned

OPD Washington Bureau

The Interstate Commerce Commission has agreed to give consideration to changes in its rules and regulations relating to qualifications and maximum hours of service of employees of motor carriers engaged in the transportation of explosives.

Persons desiring to recommend changes should communicate their views to the Director of the Bureau of Motor Carriers, on or before February 1. The changes would affect private carriers as well as common and contract carriers.

Among those sections of the regulations being opened up for revision are those relating to qualifications of drivers, driving of motor vehicles, parts and accessories necessary for safe operation, reporting of accidents, hours and service of drivers and inspection and maintenance.

Petroleum Industry Still Faces 'Trust' Suit

OPD Washington Bureau

The Department of Justice announces that no final decision has been made by the Attorney-General as yet on whether to drop the so-called "Mother Hubbard" anti-trust suit against the petroleum industry. Although its anti-trust division has recommended dismissal, Attorney-General Clark has withheld the filing of the motion pending further study of certain phases of the Department's legal efforts against the industry.

Coincident with the announcement, the Department petitioned the U. S. District Court for the District of Columbia for a ninety-day extension of time in which to answer the interrogatory of Sun Oil Company, one of the defendants in the suit. Plans for dismissing the suit were to have gone forward last week, but at the last

—*Continued on page 40*

OTC Adopts Rules Of Former Agencies

OPD Washington Bureau

The newly established Office of Temporary Controls has adopted all the orders, directives, rules, regulations, and other enactments of the Civilian Production Administration and its predecessor agencies. They are to remain in effect until they expire by their own terms or are revoked or amended, according to regulation No. 1 issued by the office.

Brooks Heads N.Y. Board of Trade

H. L. Brooks has been elected president of the New York Board of Trade, succeeding Ralph E. Dorland, of the Dow Chemical Company, who becomes chairman of the board. Floyd W. Jefferson, president of Iselin-Jefferson Company; Herbert W. Schaefer, president of H. W. Schaefer & Co., and Warren L. Baker, manager of Socony-Vacuum Oil Company's aviation division, were elected vice-presidents.

Soap Exports Control Broadened by OIT

OPD Washington Bureau

The Office of International Trade has broaden its controls over soap exports to include nonabrasive types of pastes, powders, soaps, and household washing powders having a fat content of 10 percent or less. The action becomes effective December 26.

With this action all nonabrasive types of soap are on the positive list of commodities requiring a validated individual license for export.

Int'l Monetary Group Acts To Outlaw Economic Warfare

OPD Washington Bureau

Financial transactions in the world's export and import market moved a major step nearer to a stabilized condition last week. It was announced by the International Monetary Fund that some thirty-two nations and ninety-two colonial areas have filed the par values of their currencies, and henceforth no government action to depreciate these currencies to gain a trade advantage can be taken without first consulting the fund and obeying its rules.

The action is regarded as one of the most important developments of the reconversion period by financial and foreign trade circles here, towards world stability of international exchange, for it marks the end of the use of currency depreciation as a weapon of economic warfare. No longer will the nations be able to engage in arbitrary unilateral changes in their currencies to gain a competitive advantage.

Nine countries still struggling with inflation or with postwar reconstruction and monetary problems were not included in the list of the thirty-two countries that have recorded currency par values, and officials of the Fund did not know when they would be ready to have their values announced. They hoped, however, it would be before March 1, when the Fund begins its exchange transactions, making foreign trade transactions available to those countries which might need it for bolstering their currency.

These nine countries are Brazil, China, the Dominican Republic, Greece, Poland, Yugoslavia, French Indo-China, Netherlands East Indies and Uruguay. Soviet Russia is not a member of the Fund.

In a formal statement announcing the initial par values the Fund directors said "This is the first time that a large number of nations have submitted their exchange rates to consideration by an international organization, and thus a new phase of international monetary cooperation has begun.

"The major significance of the present step is not in the particular rates of exchange which are announced, but in the fact that the participating

—*Continued on page 41*

Streptomycin, Penicillin Producers Get Methanol

OPD Washington Bureau

To maintain production of streptomycin, penicillin and sulfa drugs, manufacturers will be given assistance through December in obtaining the methanol they require to make these pharmaceuticals, Civilian Production Administration has announced.

Action was taken by issuing direction 6 to order M-300, which provides that producers of the three essential drugs may obtain authority to file certified orders against reserves of methanol held by two producers under CPA direction since the recent coal strike.

Textile Color Card Ass'n Elects Tilles

Roy E. Tilles, of Gotham Hosiery, Inc., has been elected president of the Textile Color Card Association. Armand Schwab, of Armand Schwab & Co., was named first vice-president; John F. Warner, Reigel Development Laboratories, second vice-president, and Carl E. Kempf, Brewster Hat Company, treasurer. Margaret H. Rork was reelected secretary and managing director.

Price Trend Turns Upward

Although buying interest sagged in most quarters in the markets for chemicals, oils, and drugs last week, the drop in available supplies of many materials provided push enough to effect more than a recovery of the previous week's decline in the general price average. Production in the soda-chlorine field has become so inadequate that even the oldest consuming industries are going to have their supplies curtailed in the coming year. Already there have been decimating cuts in supplies for textile processing in New England and the Southwest.

The soda-chlorine situation is beginning to have its bad effects in many sectors of chemical production where soda ash or chlorine is required for the production of carbonates or chlorides, respectively. This is aggravating the condition brought about by shortages of nonferrous metals.

Employment relations have improved somewhat, but the chemical and related industries are troubled with the uncertainty of continued stability which affects industry in general. The more immediate effects of the recent tieups from inside and outside are gradually being worked off, but those of longer run, such as the inability to replace steadily deteriorating mechanical equipment or to bring about more nearly adequate production of natural raw materials, are getting more burdensome.

The price-boosting influence of materials markets is not being grasped opportunely. Manufacturers of derivatives hold the line as long as they can—sometimes, of course, that is not very long. So it is that some producers of antimony chemicals have responded to the higher price of the metal and formaldehyde has reflected the still incomplete advancing of synthetic methanol prices. The white leads and the lead oxides and the leaded zinc oxides again reflect the higher cost of metal. But, castor oil has not yet responded to the latest increase in the beans.

Borax schedules are higher. Similar conditions are to come after the yearend in acetic and formic acids. More iodides were advanced during the week and some stearates, these changes spreading the effects of basic advances made over the past few weeks. Arsenates are coming into the same line.

Wet-process corn products were cut again. So were menthol and carnauba wax, in the face of diminishing buying interest. This same influence is coming into the markets for many metallic salts. Barium compounds, on the other hand, join lessened production with active demand.

Botanical materials—food, drug, and miscellaneous—are easing upward in connection with the shifts customary in their marketing.

OPR Price Index

The Oil, Paint and Drug Reporter's relative record of prices for chemicals and related materials is currently as follows:—

Dec. 19 1946	Dec. 12, 1946	Dec. 20. 1945
150.3	**149.9**	**134.7**

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1946	1945	1941
January	135.3	133.0	107.8
February	135.4	133.2	110.3
March	135.2	132.7	111.9
April	134.9	132.2	115.5
May	135.1	132.5	118.2
June	135.4	132.5	121.9
July	137.7	133.5	125.5
August	136.6	133.9	128.2
September	137.0	134.0	130.4
October	143.1	133.5	133.2
November	149.2	134.0	135.1

Cedric Gran Gets Post With Plant Food Group

OPD Washington Bureau

Cedric C. Gran, formerly head of the Agricultural Chemicals Section of the OPA, has been appointed assistant to the president of the American Plant Food Council, it is announced by Clifton A. Woodrum, president.

Mr. Gran served on the Washington staff of OPA from November, 1941, to November, 1946, administering price ceilings on fertilizers, fertilizer raw materials, agricultural liming materials, insecticides and fungicides.

His previous experience included four years as managing director of Shenandoah Valley, Inc., a regional chamber of commerce at Staunton, Va.; seven years as advertising manager for the Virginia-Carolina Chemical Corporation, Richmond, Va., and four years as assistant to the president of Pin Money Brands, Inc., a Richmond food concern. He is a former president of the Staunton Rotary Club.

Inventory Control List Revised

OPD Washington Bureau

The Office of Temporary Controls, formerly the Civilian Production Administration, has amended priorities regulation No. 32 to extend the list of products exempted from inventory controls. Among the items in the chemicals and allied fields which were added to the exempt list are the following:

Bristles, chalk, corundum, diatomaceous earth, domestic andalusite, feldspar, fluorspar, Fuller's earth, Kaolin, lithium ore, magnesite, mercury, olivine, optical calcite, pyrophyllite, sillimanite, sodium sulphate (slatcake), spodumene, talc, tantalite, tellurium.

In This Issue

In This Issue

ACS Plans Engineering Symposium.. 5
ACS Section Plans Symposium..... 57
Amfe to Distribute Tasse Products.. 56
ASTM Discusses Textile Tests..... 44
Balto. Drug Exchange Eelcts Muth.... 54
Bjorksten Incorporates Research Labs. 57
Borax Sales Terms Clarified..... 53
Bristol-Myers Names Lathrop..... 57
Brooks Heads N. Y. Trade Board..... 3
Brown Victor Chemical Head..... 54
Burroughs, Wellcome Ups Rigg..... 53
Burt District Manager..... 73
Chem. Output in U. S. Zone..... 54
Coke By-Products..... 46
Commercial Lab. Group Elects..... 55
Continental Can to Buy Fiber Firm.. 57
Cottonseed Crush: October..... 75
Coty Asks Stay..... 5
DCAT Elects New Officers..... 5
Diamond Alkali Takes Benner Chem. 5
Du Pont Offices in L.A., Frisco..... 43
Economic Entomologists Elect Cory... 7
Explosives Rules Change Planned.... 3
Far East Seeks Science Data..... 57
Fert. Spokesmen Protest Plant..... 33
Frey Leaves Interior Dept..... 68
Fungicide Tests Revealed..... 56
GE Chemicals Dept. Names George.. 55
Geigy Opens New DDT Lab..... 57
German Dyes Study Data Available.. 44
Graham Elected..... 55
Gran Gets Plant Food Post..... 3
Hart Joins CPA Branch..... 55
Hooker Establishes Endowment..... 56
Hoyt Leaves Hercules..... 74
Hydrocarbon Research Gets Contract. 55
Idaho Phosphate Data Compiled..... 48
Int'l Monetary Group Acts..... 3
Inventory Control List Revised..... 3
Krug Streamlines Land Management. 33
Kyanite Substitute Production Told.. 74
Lacey Wins 1947 Lucas Gold Medal.. 5
Margarin Output: October..... 77
Metal Can Shipments: Oct..... 53
Methanol to Penicillin Producers.... 3
NWDA Studies Auto Expenses..... 54
Oil Bids Deposits Return Speeded.... 68
Oils, Fats Consumption: July-Sept.... 7
OTC Adopts Former Agencies Rules.. 3
Packaging Mach. Group Has Office... 54
Paramet Moving to Toledo..... 74
Pa. Salt Insecticides Sale by Grocers.. 33
Penicillin Decontrol Requested..... 56
Permutit Elects Vice-Presidents..... 80
Pet. Industry Still Faces Suit..... 3
Polymer Plans Rubber Symposium.... 42
Quaker Oats Names Peters..... 5
Reynolds Leases Ohio Facilities..... 57
SACMA Has Silver Birthday..... 5
Shell Chemical Plans Expansion..... 39
Soap Exports Control Broadened..... 3
Socony-Vacuum Wins Tax Case..... 5
Squibb Names Gaunt..... 56
Stanco Elects Hope President..... 5
Stein, Hall Appoints Lipman..... 77
Sugar Research Award $40,000..... 55
Textile Chemists Elect Hermann..... 7
Textile Color Card Ass'n Elects..... 3
Texize Chemicals Names Farkas..... 44
Urea Manufacture Data Available.... 48
Urey Honored by Oxford..... 54
USES Merges with National Roster.. 54
U.S. Zone Has 70% of Fert. Needs..... 33
WAA Sells Alcohol Plant..... 56
Water-Rail Differential Pre-Hearing. 3

General Features

Advertising Index..... 81
Association Meeting Dates..... 7
Classified Advertisements..... 80
Current Market Quotations..... 9
Editorials 34
Holiday Mementoes Received..... 40
Imports 60
Imports Detained..... 63
Industrial Chemical Uses..... 7
Labor Relations..... 5
Machinery Offered..... 78
Obituaries 41
OPD Index..... 3
Professional Services..... 43
Trade Briefs....44, 48, 53, 56, 57, 61, 74, 81

Market Reports

Agricultural Chemicals..... 49
Botanical Drugs, Spices, Gums..... 63
Coaltar Chemicals..... 46
Drugs and Fine Chemicals..... 51
Essential Oils, Other Aromatics..... 66
Fertilizer Materials (see Agric. Chem.)
Heavy Chemicals..... 37
Oils, Fats, and Waxes..... 75
Petroleum Derivatives..... 69
Protective Coatings Materials..... 71
Textile and Leather Chemicals..... 45

Pyridium Corp. Names Scudi Research Head

Dr. John V. Scudi, formerly head of the biochemical research laboratories at Merck & Co., Rahway, N. J., and more recently assistant professor of pharmacology at the college of Physicians and Surgeons, Columbia University, N. Y., has been appointed director of research for the Pyridium Corporation, Nepera Park, N. Y.

Austin to Retire

William J. Austin, director of purchases for the Hercules Powder Company, Wilmington, Del., since 1942, will retire December 31. He will be succeeded by his assistant, Andrew Van Beek.

Keefe Leaves U.S. Customs Court Jan. 1

OPD Washington Bureau

Retirement of Judge William J. Keefe of the United States Customs Court at New York is announced by the White House. Judge Keefe, seventy-three, was appointed to the court by President Roosevelt in 1933. His retirement is effective January 15.

Chemical Salesmen Nominate Officers

James E. Ferris has been nominated for the presidency of the Salesmen's Association of the American Chemical Industry, to succeed James McInnes, of Commercial Solvents Corporation, New York. Other officers nominated are:—Vice-President, J. Robert Fisher of the Fischer Chemical Company; treasurer, William C. Harmon, jr., of the Calco Chemical Division of the American Cyanamid Company, Bound Brook, N. J.; secretary, John Seidler, of Whittaker, Clark & Daniels, Inc.; executive committee, Charles P. Walker, jr., of the Citro Chemical Company and Leon W. Miller, of the Barrett Division of the Allied Chemical & Dye Corporation.

James E. Ferris

Mr. Ferris joined the Niagara Alkali Company after his graduation from Northeastern University, Boston, Mass., as a chemical engineer. He worked as a chemist in the Niagara Falls plant of the company until 1930, when he was appointed to the sales staff.

The annual Christmas party of the association was held at the Hotel Pennsylvania, December 19. More than 1,000 persons were in attendance.

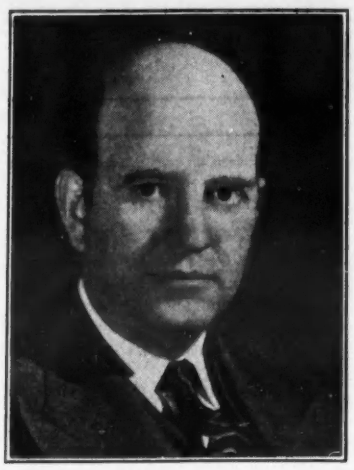
Esso Names Sparks To Succeed Frolich

Dr. William J. Sparks has been named director of the Chemical Division of the Esso Laboratories, Standard Oil Development Company of Linden, N. J. Dr. Sparks replaces Dr. Per K. Frolich, who has resigned from the company to enter other activities after 11 years as director of chemical research for the central research and technical organization of Standard Oil Company (New Jersey). With Robert M. Thomas, now associated with the company's Baton Rouge laboratories, Dr. Sparks developed shortly before the war a new synthetic rubber from petroleum.

Potash Allocation Figures Corrected

In the December 9 issue of the Oil, Paint and Drug Reporter it was reported that the United States has allocations of 49,067,000 metric tons of potash (basis K_2O) from Germany, and 27,581,000 metric tons from France. These figures should have been 49,067 tons and 27,581 tons, respectively.

ACS 1948 President



Dr. Charles A. Thomas, vice-president and technical director of the Monsanto Chemical Company, St. Louis, and a member of the scientific panel of the United Nations Atomic Energy Commission, has been elected president of the American Chemical Society for 1948.

Pfizer & Co. Plans Expansion Program

Chas. Pfizer & Co., manufacturing chemists, Brooklyn, N. Y., and widely known for its outstanding record of production of penicillin during the war, has announced the acquisition, from the War Assets Administration, of title to the Victory Yard Property at Groton, Conn. The property was operated during the war by Electric Boat Company for the production of submarines.

Although the company's bid for the property was accepted by the War Assets Administration April 24, transfer of title has been delayed until now because of the necessity of the government's removing from the premises considerable equipment and property belonging to it and because of the numerous legal details incident to the transaction which had to be completed.

John L. Smith, the company's president, in announcing the acquisition, said:—

In acquiring title to the 28-acre Victory Yard Property at Groton, the company, with its previously-acquired adjacent properties, now owns a substantial acreage of land. It intends to develop the site as a chemical plant in expansion

—Continued on page 39

Surplus Materials and Equipment For Sale

The following items of chemicals and related materials are offered in current sales by the War Assets Administration:—

Adhesives, various, six lots, over 7,000 gallons, Philadelphia, PHO-71-349, fixed prices.

Alum, potash, 14,810 pounds, Philadelphia, PHO-71-349, 5 cents a pound.

Ammonium chloride, 1,865 pounds, Philadelphia, PHO-71-349, 10 cents a pound.

Borax, 3,400 pounds, Philadelphia.

Calcium iodide, 200 pounds, Philadelphia, PHO-71-349, 13 cents a pound.

PHO-71-349, 3 cents a pound.

Dehydrating materials (dehydrated bentonite and activated alumina), 1,700,000 pounds and 750,000 pounds, re-

—Continued on page 39

Bids Wanted

Alphanaphthylurea, 50 pounds, District of Columbia Government (Washington, D. C.) schedule 9398, January 3.

Benzol, industrial pure, 250 gallons, Government Printing Office (Washington, D. C.) December 27.

Chrome Yellow, 1,000 pounds, Government Printing Office (Washington, D. C.) December 27.

Cleaning compound, vapor, 200,000 pounds, Army Ordnance Department (Metuchen, N. J.) invitation 63, December 30.

Fuel oil, kerosene, region 1, as required from February 1 through July 31, 1947, Treasury Department (Washington, D. C.) invitation 9 FO-9396-R, December 24; region 2, as required from February 1 through July 31, 1947, invitation 9 FO-9401-R, December 27.

Gypsum, calcined, 2,700 pounds, Department of Justice (Tallahassee, Fla.) invitation 25-1680, December 26.

Hydrated lime, 9,400 pounds, Depart-

—Continued on page 40

Export Programs Control Merged

Establishment of an Office of Coordinator of Emergency Export Programs to expedite the movement of grain, grain products and coal to the needy areas of Europe has been announced by President Truman.

Captain Granville Conway, former administrator of the War Shipping Administration was named head of the office.

According to the White House, the new agency will continue in existence only for a temporary period, probably for ninety days. Its duties will be to point up all of the emergency export programs of the government to bring about greater efficiency in the use of transportation facilities and speed the supplies abroad.

Captain Conway has been authorized by the president to direct all agencies concerned to use their full legal powers and take whatever steps are necessary to insure movement of the supplies at maximum capacity in the coming months.

Coincident with the White House announcement the Department of Commerce announced the establishment of a new export policy committee to insure an effective procedure for determining the extent of limitation necessary on exports of certain non-food commodities. The commit-

—Continued on page 40

Market Reports

Cottonseed oil quotations for futures at the New York Produce Exchange, at 2 p.m., Friday, December 20, were:—January, 28½c. bid; March, 26½c. bid; May, 25¾c. bid; July 24¾c. to 26c.; September, 21½c. to 23c.; October, 20c. asked; November, 20c. asked; December, 20c. asked. Sales, 6 July contracts at 25c.

Glacial acetic acid tankcar price has been set at $7.62 per 100 pounds, f.o.b. Bishop, Tex., according to the Celanese Chemical Company. The price is effective January 1.

Imported cane alcohol deliveries and processing, restricted by limitation order L-353, will be freed with the revocation of the order to be announced early this week by the Office of Temporary Control.

Rosin market at Savannah for the week ending December 20 was as follows:—

	Price per unit—Low of range quoted				
	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$6.80	$6.80	$6.85	$6.85	$6.85
D	7.10	7.10	7.15	7.15	7.15
E	7.50	7.50	7.55	7.55	7.55
F	8.06	8.06	8.10	8.10	8.10
G	8.06	8.06	8.10	8.10	8.10
H	8.06	8.06	8.10	8.10	8.10
I	8.06	8.06	8.10	8.10	8.10
K	8.06	8.06	8.10	8.10	8.10
M	8.06	8.06	8.10	8.10	8.10
N	8.06	8.06	8.10	8.10	8.10
WG	8.06	8.06	8.10	8.10	8.10
WW	8.06	8.06	8.10	8.10	8.10
X	8.06	8.06	8.10	8.10	8.10
	Drums				
Sales	...	...	59	...	28
Receipts	120	531	1,717	1,374	356
Shipments	...	...	4,550	1,000	...
Stocks	18,118	18,649	15,816	16,190	16,545

Turpentine market at Savannah for the week ending December 20 was as follows:—

	Bulk gallons—Cents.	Sales.	Barrels—Receipts.	Shipments.	On hand.
Monday	$1.26½	16,100	61	4	3,607
Tuesday	1.26¼	...	86	85	3,608
Wednesday	1.21½	25,450	...	...	3,608
Thursday	1.21½	...	9	2	3,615
Friday	1.20	8,700	431	15	4,031

Lithium Concentrates Quantities Available

The current availability, in substantial quantities, of a crude lithium concentrate has been announced by the American Potash & Chemical Corporation, New York. This double salt of lithium sodium phosphate averages 20 percent Li_2O. It is reported as a valuable source of lithium for refining into compounds used in the ceramic, air conditioning and metallurgical industries. Alkaline storage batteries and low temperature lubricants, as well as pharmaceuticals are other important lithium consumers.

Celanese Chemical Sets Formaldehyde Prices

The following prices on formaldehyde have been established by the Celanese Chemical Company, effective January 1:—Inhibited, tanks, 4.2c. per pound, freight equalized with production point, excluding Tallent, Okla.; drums or barrels, extra, carlots, 6c.; less carlots, 6.5c. Prices on unhibited material are 2/10c. per pound less across the board.

Oil, Paint and Drug Reporter, Vol. 150, No. 26, December 23, 1946. Published every Monday by Schnell Publishing Company, Inc., 59 John St., New York 7, N. Y., U. S. A. Subscription price:—United States and possessions, Cuba, Mexico, Central America, and South America, $5 a year; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter, January 15, 1884, at the New York Post Office, under the act of March 3, 1879. Copyright, 1946, by Schnell Publishing Company, Inc.

Coty Asks Stay On FTC Complaint

OPD Washington Bureau

Counsel for Coty, Inc., appealed to the Federal Trade Commission at a hearing December 17 for a stay of proceedings against the firm under the commission's complaint charging violation of the Robinson- Patman Act pending a trade practice conference of the cosmetic industry to draft rules of fair trade covering the distribution of cosmetics.

The conference, he said, is expected to be held in January. So far the commission has made no announcement of such a conference, but it is understood that its agents have recently been conferring with various companies in the cosmetic field to lay the basis for the conference.

The commission's complaint against Coty is directed against its use of demonstrators in the marketing of its products, claiming that the company fails to provide demontsrators on a proportionate equal basis to its retailers. The commission has a precedent for the complaint in the Arden case decided last year by the Supreme Court of the United States.

Percy Shay, counsel for Coty, told the commission that there is precedent for staying the hands of its attorneys in prosecuting the complaint while the industry seeks to work out a solution to the demonstrator problem, in the action taken recently in the Park & Tilford Company case involving the marketing of dyes. In that instance the commission held up enforcement of an order against Park & Tilford while the dye industry sought to get together on a set of fair trade practice rules.

Mr. Shay said that there are two instruments for selling cosmetics—national advertising and the use of demonstrators. To deny Coty the right to use demonstrators while no similar restrictions are imposed on its competitors, he said, would be like requiring Joe Louis to meet his op-

—Continued on page 68

ACS Plans Chemical Engineering Symposium

Chemists and chemical engineers from the industrial and educational laboratories of the nation will participate in the thirteenth annual chemical engineering symposium of the American Chemical Society, which will be held at the Mellon Institute for Industrial Research, Pittsburgh, on December 30-31.

The event is sponsored by the society's division of industrial and engineering chemistry, of which Francis J. Curtis, vice-president of the Monsanto Chemical Company, St. Louis, is chairman.

"Distillation" will be the general theme of the sessions, at which outstanding developments in this field in the past several years will be reported in twenty-four technical papers.

Diamond Alkali Takes Over Benner Chemical

The Diamond Alkali Company, Pittsburgh, has acquired the assets of the Benner Chemical Company, Chicago, and will operate it as the Benner chemical sales division of the Diamond Alkali Company, effective January 1.

S. R. Benner, president of the acquired firm, will retire January 1 and the division will be placed in charge of C. W. Klaus and E. J. Mills, of Diamond Alkali. A native of Ireland, Mr. Benner formed his company in 1918 and was a major distributor of Diamond Alkali products and other heavy chemicals in the Midwest.

Socony-Vacuum Wins N.J. Oil Tax Case

The New Jersey Supreme Court last week ruled that the Borough of Edgewater had no authority to levy taxes against oil products of the Socony-Vacuum Oil Company while they were stored temporarily in tanks there during the war before transfer to New York for refining.

The decision upheld one of the state division of tax appeals that the oil was in interstate commerce and "constituted no part of the taxable personal property of the borough."

Washington Talks It Over

The OPD Observer

President Truman's newest addition to his list of temporary government agencies is the Office of Coordinator of Emergency Export Program. He announced the establishment of the agency last week, with Captain Granville Conway, former war shipping boss, as its head.

The primary purpose of the agency is to see that our commitments to UNRRA of grains and coal are filled in time to do the most good, but like so many other agencies of the government its aims aren't nearly as important to industry as is the way it seeks to carry them out. Given too much elbow room, an agency can cause many a headache to innocent bystanders.

For that reason the actions of Captain Conway may be of vital interest to the chemical industry. The powers given him by the president appear to be supreme. He has the authority to order any government agency to use whatever legal powers it possesses to see that coal and grain is moved. This means the application of priorities on the movement of freight and the use of freight cars if necessary.

Fertilizers and a vast number of chemical products are competitive with grain and cereal in the use of box cars, which already are in an extremely short supply.

seek benefits for them in the trade agreement negotiations next Spring need not limit their requests to tariff reductions abroad. In their briefs and oral argument at the hearings January 13 they may also refer to other barriers to sales abroad, such as quotas, allotment of exchange, or discriminatory treatment by state monopolies.

There seems to have been some misunderstanding among exporters as to the limits they must place on the testimony submitted to the committee for Reciprocity Information. The Office of International Trade points out that testimony can be given on any commodity which a firm desires to export to any of the eighteen countries included in the negotiations next April.

It is suggested that interested parties who were unable to prepare complete information before the December 21 deadline for filing of briefs and notices of appearances, supplement whatever information they were able to get and file before the deadline at the hearing before the committee.

Controls Are on Way Out

J. D. Small's departure from the government as head of the Civilian Production Administration, and the dumping of the remnants of this organization, along with those of OPA, OWMR, and a few other agencies into a new Office of Temporary Controls, means the end of the Washington battle over government controls. It was a victory for Mr. Small, who refused to quit his job until he was sure that his views would prevail against those in the government arguing for retention of controls to guide reconversion.

It may take Maj.-Gen. Philip B. Fleming, who heads up the new office, a little while to acquaint himself with his new job, but it can be expected that various types of remaining controls will be dropped rapidly

—Continued on page 34

Drug-Chemical Section Elects New Officers

In its organization meeting, December 17, the newly elected executive committee of the Drug, Chemical and Allied Trades Section of the New York Board of Trade, chose the following to serve as officers of the section during the ensuing year:—

Dr. Carle M. Bigelow

Chairman, Dr. Carle M. Bigelow, director of the pharmaceutical department of the Calco Chemical Division, American Cyanamid Company.

Vice-chairman, Fred J. Stock, vice-president of Charles Pfizer & Co.

Treasurer, Hugh S. Crosson, McKesson & Robbins, Inc.

Secretary, Helen L. Booth, 291 Broadway, New York 7.

Counsel, Carl M. Anderson, assistant to the president, Merck & Co.

The retiring chairman, Harold M. Altshul, president of Ketchum & Co., who automatically becomes a member of the advisory council, was presented with an engraved gavel in recognition of his services.

W.N. Lacey Wins 1947 Lucas Gold Medal

Dr. William Noble Lacey, dean of graduate studies at the California Institute of Technology, has been chosen to receive the Anthony F. Lucas Gold Medal for 1947 of the American Institute of Mining and Metallurgical Engineers.

The Lucas Medal, established in 1936 to be awarded from time to time in recognition of "distinguished achievement in improving the technique and practice of finding and producing petroleum," will be presented to Dr. Lacey at the institute's seventy-fifth anniversary celebration and annual meeting to be held in New York, in March.

Quaker Oats Names Chem. Research Director

Fredus N. Peters, jr., former director of research of the Quaker Oats Company, has been appointed vice-president in charge of chemical research. Dr. Peters has been in charge of nutritional and organic chemical research for many years and has made major contribution in the field of furan chemistry. Frank F. McKinney was recently made sales manager of the chemicals department, to head technical sales of furan chemicals. After two and a half years service with the army, Mr. McKinney returned in March of this year to the position with the chemicals department.

SOCMA Has Silver Birthday

The twenty-fifth anniversary of the Synthetic Organic Chemical Manufacturers Association was marked by a three-part meeting December 17 in the Hotel Roosevelt, New York. The board of governors met first. Then came the general meeting. A dinner session closed the affair, with about 250 persons present.

In the general meeting, the constitution was amended so as to provide working time for nominations under the new method of electing the officers and other governors. Following the submission of the nominating committee's selections by Chairman B. M. Van Cleve, the following were unanimously reelected:—

Ralph E. Dorland
Re-elected SOCMA President

President, Ralph E. Darland, of the Dow Chemical Company.

Vice-presidents, Dr. E. H. Killheffer, of E. I. du Pont de Nemours & Co., Wilmington, and Dr. E. C. Kunz, of Givaudan-Delawanna, Inc., New York.

Treasurer, C. M. Richter, of the Pharma Chemical Corporation, New York.

Additional numbers of the board of governors, class of 1947, Victor E. Williams, of the Monsanto Chemical Company New York, and August Merz, of

—Continued on page 43

Stanco Elects Hope President

Stanco Inc., manufacturer of petroleum specialties, Linden, N. J., has elected as president Stanley C. Hope, president of the Gilbert & Barker Manufacturing Company, Springfield, Mass. Both companies are affiliates of Standard Oil Company (New Jersey).

Mr. Hope succeeds F. W. Moss who will retire December 31 but who will continue for another year in an advisory capacity on Stanco's foreign marketing activities.

Labor Relations

Mitchell M. Shipman
Labor-Management Consultant

The Right of Discharge for Employee Incompetency

It is indeed the rare union agreement which does not contain a provision limiting the employer's right to discharge an employee. Many agreements proscribe the employer's right of discharge to certain specific grounds, such as inefficiency, incompetency, insubordination, and the like. Other agreements, instead of specifying the particular bases for discharge, prefer to make the limitation a general one, such as that the discharge be for "just cause."

Whatever the language of the particular union agreement be, whether it is the broader or the specific, the fact remains that in all of them, the union must and does recognize the absolute right of an employer to discharge an employee for good and proper cause. This is basic to the employer's managerial duties and right. Then, what better cause, asks the employer, could there be for the discharge of an employee than where the employee is incompetent? Is it not, therefore, a complete denial of his fundamental right of discharge if an arbitrator refuses to sustain a discharge based on an employee's incompetency?

Circumstances Are Controlling

A recent arbitration decision shows, however, that the answer is not always necessarily in the affirmative, as the average employer may be prone to think, and that inefficiency or incompetency may, under certain circumstances, still not be sufficient to support a discharge. In that case, an arbitration board refused to accept the discharge, notwithstanding a finding that the employee was not a competent, "first-class" worker. And in the analysis of the facts and the arbitrator's opinion in the case, certain preliminary and precautionary steps suggest themselves if the employer is to be certain that his discharge of an employee for incompetency is to stand up in arbitration.

The reported case[1] involved one "W", who was hired by the employer during the war (April, 1943) as a car-

[1] Master Electric Company and United Electrical Radio Machine Workers of America (CIO) (reported in 5 LA 339, December 4, 1946).

—Continued on page 58

OPD—12-23-1946 6

NO PRICE INCREASE

Present price . . . $1.40

Prewar price . . . $1.45

(in 100-pound lots)

SACCHARIN

Although production costs have advanced considerably during the war period, no increase in the price of Saccharin has been scheduled. In fact, Monsanto's present pound price, in 100-pound lots, is lower than its prewar price — $1.40 compared to $1.45. Price of single 5-pound cans remains $1.65 a pound, unchanged since before the war.

While capacity was materially increased during the preceding 5 years, unsettled labor conditions curtailed production during the past 6 months. However with production now resumed, it is expected that Monsanto will be able to meet all normal requirements on a current basis in the early part of 1947. Also, it is anticipated that appreciable gains will be made on the present backlog of demand.

MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1700 South Second St., St. Louis 4, Mo. District Offices: New York, Cincinnati, Chicago, Boston, Detroit, Charlotte, Birmingham, Los Angeles, Cleveland, San Francisco, Seattle, Montreal, Toronto.

MONSANTO CHEMICALS

SERVING INDUSTRY . . . WHICH SERVES MANKIND

Industrial Application Of Chemicals

"Where You Can Sell"

Fully Protected by Copyright

Calcium-Gold Keratinate

Pharmaceutical—Toxic agent (U.S. 2197795) for pneumococci.

Cobalt-Potassium Nitrite

(Aureolin, Cobalt Yellow, Potassium Cobaltinitrite)

Ceramic—Pigment in coloring porcelain.

Glass—Pigment in coloring glass.

Pharmaceutical — In compounding and dispensing practice.

Paint, Varnish, and Lacquer—Pigment for oil and water paints.

Rubber—Pigment for rubber.

Diethylenetriamine

(Additional uses, supplementary to those given in the book, Uses and Applications of Chemicals and Related Materials)

Petroleum — Starting point (U.S. 2250176, 2250404, 2250405, 2250406, 2250407, 2250408, and 2251393) in making demulsifying agents (breakers) for petroleum emulsions of the water-in-oil type, by reacting with ordinary or blown castor oil, rapeseed, soybean, or tung oil; erucic, oleic, or stearic acid; unsaturated fatty acids having 8 to 32 carbon atoms.

3:5-Diketo-1-2':4'-dinitrophenylpyrazolidin

Dye—Starting point (U.S. 2150180) in making yellow, brown, or tan dyestuffs for cellulose acetate by coupling with diazo compounds of the benzene or naphthalene series, or their substitutions by halogen, nitro, OH, alkyl, or acyl groups.

Diocenolpyridinium Thiophosphite

Lubricant — Starting point (Brit. 457548) in making high-pressure and die-making lubricants, and boring, drilling, cutting and wire-drawing oils by solution, dispersion, or emulsification in carriers, such as mineral, vegetable, or animal oils, paraffin, water, graphite, grease, or porous bearing metal.

Dipropylaminomethylcellulose

Bottling—Starting point (Brit. 489-668) in making sizes (solutions in acids) for regenerated cellulose used for capping and sealing purposes (improves the anchorage thereto of printing inks and lacquers).

Cellulose Products—Starting point (Brit. 489668) in forming filaments, bristles, self-supporting films, and films which are clear, tough, and pliable.

Chemical—Starting point (Brit. 489-668) in making addition salts with acids.

Furniture — Starting point (Brit. 489668) in making waterproof adhesives for veneering processes.

Miscellaneous—Ingredient (Brit. 489-668) of coating compositions useful for various purposes.

Rubber—Starting point (Brit. 489-668) in making sizes (solutions in acids) for rayon tire cord (used to improve its adhesion to rubber).

Propyl Alcohol, Normal

(Alcohol Propilico Primario, Alcool Propilico Primario, Alcool Propylique Normal, Alcool Propylique Primaire, Ethyl Carbinol, Normal Propanol, Primary Propyl Alcohol, Prim-Propyl-alkahol, Propanol-1)

Ceramic—Solvent in compositions, containing cellulose esters or ethers,

—Continued on page 59

Association Meetings

American Associatio nfor the Advancement of Science, Stater hotel, Boston, December 26-31.

Chemical Market Research Association, Mount Royal hotel, Montreal, February 6.

National Association of Corrosion Engineers, Palmer house, Chicago, April 7-10.

Natural Gasoline Association of America, Baker hotel, Dallas, Tex., April 23-25.

Southern Paint and Varnish Production Club, Peabody hotel, Memphis, March 20.

Oil, Fats Consumption: July-Sept.

Factory consumption of primary oils, fats, fatty acids, and related materials in the third quarter of 1946 totaled 1,756,393,000 pounds, according to the Bureau of the Census. Consumption in the major specified lines of industry included the following quantities:—

	Pounds
Edible products other than salad oils	457,357,000
Paint and varnish and printing ink	133,663,000
Processing (fat splitting, winterizing, pressing, sulphonation)	114,407,000
Refining	500,393,000
Soap	348,272,000

Factory consumption of individual materials was reported as follows:—

Oils

	Pounds	
	Crude	Refined
Refining	3,276,000	.....
Soap	3,736,000	2,784,000
Other uses	3,000	3,000
Castor, crude—	No. 1	No. 3
Refining	.....	300,000
Fat-splitting	.....	314,000
Sulphonation	169,000	275,000
Soap	72,000	33,000
Paint and varnish	616,000	130,000
Linoleum and oilcloth	88,000	83,000
Printing ink	64,000	20,000
Lubricants and greases	33,000	46,000
Other uses	5,552,000	1,337,000
Castor, processed—	Dehydrated	Sulphonated
Fat-splitting	85,000	.....
Soap	.....	26,000
Paint and varnish	4,380,000	103,000
Linoleum and oilcloth	86,000	.....
Printing ink	24,000	19,000
Lubricants and greases	4,000	14,000
Other uses	201,000	477,000
Coconut—	Crude	Refined
Refining	45,091,000	.....
Fat-splitting	16,692,000	4,231,000
Sulphonation	18,000	.....
Shortening	.....	10,889,000
Oleomargarin	.....	2,060,000
Other edible products	.....	2,174,000
Soap	23,402,000	23,982,000
Paint and varnish	22,000	14,000
Other uses	2,365,000	473,000
Cod—		All grades
Sulphonation		443,000
Paint and varnish		10,000
Other uses		2,042,000
Codliver—		All grades
All uses		2,622,000
Corn—	Crude	Refined
Refining	48,267,000	.....
Sulphonation	64,000	81,000
Winterizing for salad oil	.....	3,564,000
Shortening	.....	985,000
Oleomargarin	.....	1,215,000
Other edible uses	.....	1,201,000
Soap	97,000	6,000
Paint and varnish	2,000	1,000
Printing ink	.....	2,000
Lubricants and greases	.....	.....
Other uses	423,000	287,000
Cottonseed—	Crude	Refined
Refining	70,295,000	.....
Sulphonation	20,000	137,000
Winterizing for salad oil	.....	52,989,000
Shortening	.....	109,156,000
Oleomargarin	.....	46,095,000
Other edible uses	.....	1,964,000
Soap	1,000	50,000
Paint and varnish	22,000	14,000
Other uses	2,365,000	473,000
Fish—		All grades
Fat-splitting		1,234,000
Sulphonation		1,463,000
Shortening		243,000
Soap		12,472,000
Paint and varnish		7,890,000
Linoleum and oilcloth		1,000,000
Printing ink		21,000
Lubricants and greases		221,000
Other uses		10,209,000
Fishliver, other than cod—		All grades
Sulphonation		88,000
Lubricants and greases		5,000
Other uses		1,340,000
Linseed—		All grades
Fat-splitting		64,000
Sulphonation		3,000
Soap		95,000
Paint and varnish		92,166,000
Linoleum and oilcloth		13,663,000
Printing ink		5,432,000
Lubricants and greases		194,000
Other uses		20,398
Marine mammal—		All grades
Refining		858,000
Paint and varnish		11,000
Printing ink		4,000
Lubricants and greases		1,044,000
Other uses		642,000
Neatsfoot—		All grades
Refining		1,000
Sulphonation		124,000
Soap		3,000
Printing ink		2,000
Lubricants and greases		66,000
Other uses		566,000
Oiticica—		All grades
Paint and varnish		4,171,000
Linoleum and oilcloth		571,000
Printing ink		102,000
Other uses		874,000
Oleo—		All grades
Shortening		333,000
Oleomargarin		384,000
Other edible uses		64,000
Soap		563,000
Lubricants and greases		3,000
Other uses		14,000
Olive—	Edible	Inedible
Edible uses	46,000	.....
Soap	.....	44,000
Other uses	2,000	12,000
Palm—	Crude	Refined
Soap	745,000	.....
Lubricants and greases	35,000	.....
Other uses	10,187,00	678,000
Palmkernel—	Crude	Refined
Fat-splitting	1,982,000	.....
Soap	2,921,000	201,000
Peanut—	Crude	Refined
Refining	18,690,000	.....
Sulphonation	12,000	727,000
Winterizing for salad oil	....	818,000
Shortening	.....	10,557,000
Oleomargarin	.....	3,551,000
Other edible uses	.....	1,707,000
Soap	1,615,000	64,000
Printing ink	1,000	.....
Other uses	3,000	758,000
Perilla—		All grades
Soap		1,000
Paint and varnish		21,000
Printing ink		2,000
Rapeseed—		All grades
Lubricants and greases		2,680,000
Other uses		951,000
Babassu—	Crude	Refined
Sesame—		All-grades
Winterizing for salad oil		52,000
Other uses		20,000
Soybean—	Crude	Refined
Refining	308,939,000	.....
Fat-splitting	226,000	276,519,000
Sulphonation	127,00	857,000
Winterizing for salad oil	.....	12,491,000
Shortening	.....	177,809,000
Oleomargarin	.....	49,576,000
Other edible uses	.....	15,844,000
Soap	453,000	348,000
Paint and varnish	1,220,000	8,434,000
Printing ink	3,000	2,000
Lubricants and greases	52,000	53,000
Other uses	4,527,000	7,721,000
Tallow—		All grades
Soap		959,000
Lubricants and greases		2,848,000
Other uses		34,000
Tung—		All grades
Paint and varnish		7,310,000
Printing ink		155,000
Lubricants and greases		11,000
Other uses		720,000
Vegetable, not specified—		All grades
Refining		6,000
Fat-splitting		172,000
Sulphonation		89,000
Winterizing for salad oil		646,000
Shortening		1,619,000
Other edible uses		1,067,000
Soap		151,000
Paint and varnish		1,163,000
Linoleum and oilcloth		183,000
Printing ink		8,000
Other uses		391,000

Fats and Greases

Grease and lard oil—		Pounds
Sulphonation		962,000
Soap		1,584,000
Lubricants and greases		4,213,000
Other uses		3,674,000
Grease, not specified—		
Refining		16,000
Fat-splitting		18,201,000
Winterizing and pressing		16,685,000
Sulphonation		843,000
Soap		80,516,000
Printing ink		35,000
Lubricants and greases		5,192,000
Other uses		1,027,000
Lard, rendered—		
Shortening		2,914,000
Oleomargarin		354,000
Other edible uses		1,367,000
Soap		113,000
Printing ink		10,000
Lubricants and greases		63,000
Other uses		58,000
Stearin, animal—	Edible	Inedible
Shortening	2,742,000	.....
Oleomargarin	504,000	.....
Other edible uses	62,000	.....
Soap	1,207,000	.....
Lubricants and greases	1,000	156,000
Other uses	64,000	367,000
Stearin, vegetable—		
Shortening		16,116,000
Oleomargarin		30,000
Other edible uses		46,000
Other uses		25,000
Tallow—	Edible	Inedible
Fat-splitting	.....	55,141,000
Winterizing and pressing	.....	1,465,000
Sulphonation	6,000	1,575,000
Shortening	8,875,000	.....
Other edible uses	914,000	.....
Soap	910,000	192,575,000
Paint and varnish	.....	5,000
Printing ink	.....	3,000
Lubricants and greases	60,000	7,34,000
Other uses	83,000	5,145,000
Woolgrease—		
Refining		1,359,000
Sulphonation		3,000
Soap		147,000
Paint and varnish		21,000
Printing ink		33,000
Lubricants and greases	60,000	7,734,000
Other uses		1,610,000

Fatty Acids and Acid Stocks

Animal fat and oil fatty acids, not specified—	
Winterizing and pressing	36,329,000
Soap	19,203,000
Lubricants and greases	1,877,000
Other uses	2,433,000
Animal oil foots (100% basis)—	
Soap	7,260,000
Other uses	501,000
Fatty acid stocks, not specified—	
Refining	8,748,000
Fat-splitting	4,277,000
Sulphonation	61,000
Soap	7,152,000
Paint and varnish	3,499,000
Linoleum and oilcloth	577,000
Lubricants and greases	538,000
Other uses	6,239,000
Fish and marine mammal oil fatty acids—	
Sulphonation	283,000
Lubricants and greases	390,000
Other uses	955,000
Fish and marine mammal oil foots (100% basis)--	
All uses	1,210,000
Olive oil foots (including sulphur oil)—	
Soap	142,000
Red oil—	
Sulphonation	1,290,000
Soap	6,886,000
Paint and varnish	138,000
Printing ink	87,000
Lubricants and greases	740,000
Other uses	7,737,000
Stearic acid—	
Sulphonation	16,000
Soap	1,835,000
Paint and varnish	107,000
Printing ink	22,000
Lubricants and greases	1,205,000
Other uses	11,222,000
Vegetable oil fatty acids—	
Sulphonation	246,000
Soap	27,242,000
Paint and varnish	3,312,000
Lubricants and greases	782,000
Other uses	9,075,000
Vegetable oil foots (100% basis)—	
Fat-splitting	28,492,000
Soap	18,964,000
Paint and varnish	234,000

Unclassified

Materials not shown separately—	
Fat-splitting	1,845,000
Sulphonation	65,000
Paint and varnish	160,000
Linoleum and oilcloth	154,000
Printing ink	18,000
Lubricants and greases	291,000

Textile Chemists Elect Hermann

Henry F. Hermann, of the General Dyestuffs Corporation, New York, was elected president of the American Association of Textile Chemists and Colorists at the Jubilee Convention held in Boston. The meeting was featured by the award of the Olney Medal and the presentation of numerour technical papers relating to problems in the textile and dyestuff fields.

Mr. Hermann, who has been a member of the executive administration of General Dyestuffs since 1940, was

Blackstone

H. F. Hermann

vice-president of the association last year and is a former chairman of the association's New York section.

John N. Dalton, chief chemist of the worsted division of Pacific Mills, and C. Norris Rabold, director of chemical research and development for Union Bleachery, were elected vice-presidents of the association.

The Olney Medal, for "outstanding achievement in the field of textile chemistry," was presented to William H. Cady, for many years chief chemist of the United States Finishing Company. The award was made by Dr. Louis A. Olney, president-emeritus of the association, in whose honor the award is presented at intervals of not less than one year, and Dr. Milton Harris, of Milton Harris Associated.

P. J. Wood technical director of the Royce Chemical Company, presented a paper which gave a history of the association since it was first conceived by Dr. Olney in August, 1921.

Synthetic Detergents

In the intersectional contest the Northern New England section reported on a study of the comparative value of synthetic detergents and soap, using three chemical types of detergents:—anioinc, actionic and nonionic. The soap selected was a red oil soap of 95 percent soap content and 10 degree titer. The various detergents were compared without any

—Continued on page 42

Economic Entomologists Elect Cory President

OPD Washington Bureau

The American Association of Economic Entomologists, at its fifty-eighth annual convention in Richmond, Va., elected **Ernest N. Cory, State entomologist and assistant director of the extension service, University of Maryland, as its president for the ensuing year. The meeting was attended by more than 400 entomologists from the United States and foreign countries.**

At the final session of the convention, the delegates adopted resolutions calling for immediate and thorough revision of Federal insecticide laws and uniform State laws governing the labeling, handling, and sales of new chemicals.

Existing Federal controls were described as inadequate and obsolete by Dr. George C. Decker, Champaign, Ill., chief entomologist for the Illinois Natural History Survey and chairman of the resolutions committee. He said new laws controlling insecticides were needed urgently because "the new materials are extremely promising" but too potentially dangerous for unrestricted use by the public.

PURE VITAMINS
—Products of Merck Research

Thiamine Hydrochloride U.S.P.
(Vitamin B_1 Hydrochloride)

Riboflavin U.S.P.
(Vitamin B_2)

Niacin
(Nicotinic Acid U.S.P.)

Niacinamide
(Nicotinamide U.S.P.)

Pyridoxine Hydrochloride
(Vitamin B_6 Hydrochloride)

Calcium Pantothenate
Dextrorotatory

Ascorbic Acid U.S.P.
(Vitamin C)

Vitamin K_1
(2-Methyl-3-Phytyl-1,4-Naphthoquinone)

Menadione U.S.P.
(2-Methyl-1,4-Naphthoquinone)
(Vitamin K Active)

Alpha-Tocopherol
(Vitamin E)

Alpha-Tocopherol Acetate

Biotin

Merck & Co., Inc. now manufactures all the vitamins commercially available in pure form, with the exception of vitamins A and D.

Merck research has been directly responsible for many important contributions to the synthesis, development, and large-scale production of individual vitamin factors in pure form.

In a number of instances, the pure vitamins may be considered to be products of Merck research. Several were originally synthesized in The Merck Research Laboratories, and others have been synthesized by Merck chemists and collaborators in associated laboratories.

Because most of the known vitamins have now been made available in pure form, effective therapy of specific vitamin deficiencies can be conducted on a rational and controlled basis, under the direction of the physician.

MERCK VITAMINS

MERCK & CO., Inc. RAHWAY, NEW JERSEY

Manufacturing Chemists

MERCK MERCK MERCK

OPD—12-23-1946

Current Market Quotations Chemicals and Related Materials

December 19, 1946

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, Arabic).

Acetaldehyde, 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gals., works..lb. .14 - —
Tanks .....lb. .08 - —

Acetaldol (see Aldol).

Acetamide, CP, 5b. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70
tech., fib. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50

Acetanilide, tech., cryst., powd., bbls. c.l..lb. .19 - —
l.c.l. .....lb. .22 - —
kgs. .....lb. .25 - —
USP, cryst., powd., bbls., 2,000-lb. lots..lb. .40 - .41
smaller lots.....lb. .41 - .43

Acetic anhydride, dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —

Acetoacetanilide, bbls., dms....lb. .60 - —

Acetone, CP, dms., c.l., dlvd..lb. .06 - —
l.c.l., dlvd..lb. .06½- —
tanks, dlvd. .....lb. .07 - —

Methyl (see M).

Acetonitrile, dms., c.l., works.lb. .35 - —
l.c.l., works.....lb. .40 - —
5-gal. lots, works.....lb. .45 - —
less than 5-gal. lots, works.lb. .50 - —

Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms. .....lb. 1.06 - 1.10

Acetophenone, cns., dms.....lb. 1.50 - 1.75

Acetyl chloride, cbys., works.lb .60 - —

Acid, abietic, doms., c.l., wks..lb. .07½- —

Acetic, com'l or redist., 28%, bbls..100 lbs. 3.38 - 3.63
50%, bbls.....100 lbs. 5.58 - 5.83
70%, bbls.....100 lbs. 6.68 - 6.93
80%, bbls.....100 lbs. 7.47 - 7.72
99.5%, bbls.....100 lbs. 9.15 - 9.40
glacial, nat., C.P., dms., works..100 lbs.12.50 -13.25
99.5%, bls.....100 lbs. 9.15 - 9.40
tanks .....100 lbs. 6.98 - 7.25
synth., tech., bbls., works, 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.35 - 9.75
tanks, works.....100 lbs. 6.98 - 7.35
USP, dms., works.100 lbs.10.50 -11.00
pure, 30%, bbls.....100 lbs. 4.41 - 4.69
36%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs. 9.26 - 9.51
USP, 36%, cbys.....lb. .08 - .10

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride).

Acetylsalicylic, special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .50 - —
smaller lots.....lb. .51 - .64

standard USP,, fine cryst., gran. (30-40 mesh), powd. (80 mesh), bbls., same basis. lb. .45 - .59

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Aminoacetic, USP, cryst., powd., bbls., frt. adjusted.lb. 1.25 - 1.52

Anthranilic, resub., bbls....lb. 1.20 - 1.35
tech., bbls. .....lb. .90 - —

Arsenous, tech. (see Arsenic, white).
USP, powd., dms., kgs....lb. .20 - .22

Ascorbic, USP, dms., 500-kilo lots..kilo.24.50 - —
25-50 kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.25 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo lots.....kilo.26.41 - —
500 grams.....kilo.27.47 - —

Battery, cbys., c.l., E. works.. 100 lbs. 1.60 - —
l.c.l., E. works.....100 lbs. 1.95 - 2.55

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
999 lbs, or less.....lb. .47 - —

USP, bbls., 4,000 lbs. up..lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,000 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .58 - .59

Betaoxynaphthoic, bbls., works. lb. .95 - —

Boric, tech., 99.5% cryst. (same as prices for powder). gran., bgs., c.l., frt. alld.. ton.99.00 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton. 95.50 - —
powd., bgs., c.l., frt. alld. ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —

USP $25 per ton higher.

Butyric, 99%, dms., c.l., works, lb. .20 - —
l.c.l., same basis.....lb. .30 - —

Brenner's, bbls. .....lb. 1.20 - —

Acid, cacodylic, bots. .....lb.13.50 -14.50
Camphoric, cns. .....lb. No stocks
Caprylic, 99%, dms.....lb. No stocks
Capric, tech., rct. dms.....lb. No stocks
Castor oil, split, rct. dms...lb. No stocks
Chlorosulphonic, dms., c.l., works..lb. .06 - —
l.c.l., works .....lb. .06¼- .04½
tanks, works .....lb. .02½- —
Chromic, 99½-99¾%, dms., c.l., lb. .17 - —
l.c.l. .....lb. .17½- .19
Cinnamic, refd., bots.....lb. 3.00 - 3.50
Citric, anhyd., gran., dms., c.l..lb. .22½- —
l.c.l., 10,000 lbs. 1 ship't. lb. .23 - —
smaller lots, bbls. .....lb. .25 - —
dms. .....lb. .25½- .26½
kgs. .....lb. .24 - —
USP, cryst., gran., bbls., c.l., lb. .20 - —
l.c.l., 10,000 lbs., 1 ship't. lb. .20½- —
smaller lots, bbls. .....lb. .21 - —
dms. .....lb. .23 - .24
kgs. .....lb. .21¼- —
powdered citric acid, ½c. higher.
Cleve's, bbls.....lb. .65 - 1.00
Coconut oil, dist., dms.....lb. No prices
Corn oil, s.d., dms., c.l., wks. lb. No prices
Cottonseed oil, s.d., dms., c.l. lb. No prices
tanks, dlvd. .....lb. No prices
Creasylic dom. coaltar, high-boil 50% (210°-215°), low boil 50% (204°-200°), and special blends, dms., c.l., works, frt. equald..gal. 1.01 - —
l.c.l., same basis....gal. 1.04 - —
tanks .....gal. .90 - .95
Petroleum, heavy grade (247°-298°), dms., 20, Cal. ref..gal. .490 - —
Sewaren, N. J., ref. gal. .616 - —
1-19, Cal., ref....gal. .510 - —
Sewaren, N. J., ref. gal. .636 - —
tanks, dlvd.....gal. .586 - —
light grade (200°-240°), tanks, Cal. ref..gal. .690 - —
medium grade (230°-240°), dms., 20 Cal. ref.gal. .50 - —
Sewaren, N J., ref. gal. .636 - —
1-19, Cal. ref.....gal. .570 - —
Sewaren, N. J., ref. gal. .696 - —
tanks., dlvd. ....gal. .646 - —
Crotonic, bbls., Canadian, wks. lb. .25 - —
Dichlorophenoxyacetic, fib. dms., c.l., works..lb. .80 - —
l.c.l., works.....lb. .85 - .95
Diethylbarbituric (see Barbital).
F (see Acid, monosulphonic).
Formic, 85%, cbys., c.l., wks.lb. .10 - .12
l.c.l., works.....lb. .10½- .12½
90%, cbys., c.l., works....lb. .10½- .12½
l.c.l., works.....lb. .11 - .13
Fumaric, tech., bbls., dms..lb. .27 - .31
Gallic, NF V, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.15
Gamma, bbls. .....lb. .97 - —
Gluconic, tech., 50%, bbls....lb. .12 - —
dmjn. .....lb. .21 - .26
kgs. .....lb. .14 - .15
Glycolic (see Acid, hydroxyacetic).
H, bbls., works.....lb. .50 - —
Hydriodic, 48-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, medicinal, 48%, cbys., dlvd. E..lb. .48 - —
tech., 48%, cbys., same basis, lb. .45 - —
34%, cbys., same basis.....lb. .35 - .37
Hydrochloric (see Acid, Muriatic).
Hydrocyanic, cyls., works...lb. .80 - 1.00
NF, dilute, 2%, 5-lb. bots..lb. .80 - .40
Hydrofluoric, anhyd., cyls., wks. lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works..lb. .08 - .09
48%, rubber dms., works..lb. .12 - —
52%, rubber dms., works..lb. .12½- —
60%, rubber dms., works..lb .13½- —
Hydrofluosilicic, 30-35%, bbls.lb. .06 - .09
Hydroxyacetic, 70% tech., bbls., non-return, Phila..lb. .084 - —
tanks, Belle, W. Va., acid basis..lb. .085 - —
Hypophosphorous, USP, djns., lb. .75 - .77
Lactic, edible, 50%, cbys., 20 or more..lb. .12½- —
smaller lots.....lb. .13 - .13½
80%, bbls., 5 or less.....lb. .24½- .24¾
plastic grade, 50%, bbls., cbys., 20 or more..lb. .14½- —
10 or less.....lb. .14¾- .15¼
80%, bbls., cbys., 5 or less, lb. .26 - .26¼
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.30 - —
l.c.l., bbls., works.... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works, 100 lbs. 2.90 - —
l.c.l., works....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XII, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys..... lb. .82 - .85

Acid, Laurent's, bbls.....lb. .65 - —
Lauric, dist., 95%, dms.....lb. No prices
60%, dms. .....lb. No prices
Linseed oil, light, dms.....lb. No prices
Maleic, powd., dms.....lb. .30 - —
Anhydride (see M).
Malic, powd., kgs.....lb. .47 - —
Mandelic, USP, dms., 1,000-lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0065- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloracetic, tech., flakes, 96-97%, dms...lb. .16½- —
purified, flake, 99%, dms...lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., E. works....100 lbs. 1.75 - 2.45
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
tanks, E. works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, USP, consumers, cbys extra..lb. .06 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys., extra.....lb. .06½- —
6-lb. bots., extra.....lb. .08½- —
Myristic, dist., dms. ..... No stocks
Naphthenic, 210-220 acidity, dms., extra, works..lb. .10½- —
tanks, works.....lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12½- —
tanks, works.....lb. .12 - —
Neville and Winthers, dms...lb. .78 - —
Nicotinic, USP, dms., works... kilo. 6.00 - 6.30
Nicotinic amide (see Nicotinamide).
Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 25, E. works..100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys. extra..lb. .13 - —
7-lb. bots., cs., extra..lb. .15 - —
dealers, cbys. extra....lb. .11½- —
7-lb. bots., cs., extra..lb. .13½- —
Oleic (see Oil, Red).
Oleum (see Acid, sulphuric, fuming).
Oxalic, bbls., c.l., works....lb. .11¾- .12¼
10,000 lbs.....lb. .12 - .12½
smaller lots.....lb. .13 - .13½
Palm oil,[3] white, dist., dms..lb. No stocks
Para-aminobenzoic, cns.....lb. 1.55 - —
Paranitrobenzoic, cns.....lb. .80 - —
Paratoluidinmetasulphonic, bbls., works..lb. .80 - —
Peanut oil, s.d., tanks, works. lb. No prices
Phenylacetic, bots.....lb. 1.60 - 2.00
Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., c.l., works, frt. equald..100 lbs. 4.35 - 4.60
l.c.l., works, frt. alld.. 100 lbs. 5.25 - 7.25
tankwagon, dlvd. N Y., Phila. Met. area..100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., c.l., works, frt. equald..100 lbs. 5.10 - 5.35
l.c.l., frt. alld....100 lbs. 7.00 - 9.50
tanks, works, frt. equald., 100 lbs. 4.00 - 4.25
tankwagon, dlvd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10½- —
10 cbys. to c.l.....lb. .11½- —
2 to 9 cbys.....lb. .12 - —
single cbys. .....lb. .13 - —
70-lb. cbys. .....lb. .10½- —
26 cbys. to c.l.....lb. .11½- —
6 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
dilut., 10%, cbys., djns..lb. .07 - .07½
Picramic, kgs. .....lb. .65 - .70
Picric, bbls. .....lb. .30 - .31
Propionic, synth., pure, dms., works..lb. .19½- —
tanks, works .....lb. .18½- —
Pyrogallic, tech., bbls.....lb. 1.45 - 2.02
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms. .....lb. 2.60 - 2.65
Pyroligneous, dms., ex whse. l.c.l..gal. .41 - —
Ricinoleic, com'l split (see Acid, castor oil, split).
Salicylic, tech., bbls., c.l....lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .42
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots .....lb. .36 - .44
Sebacic, tech., dms., c.l., works, lb. No stocks
Soybean oil, s.d., dms., works, lb. No prices
tanks, works.....lb. No prices
Stearic, double pressed, bgs..lb. .33½- .34½
single pressed, bgs.....lb. .33 - .34
triple pressed, bgs.....lb. .36¾- .37½
Succinic, bbls. .....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.65
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l. .....100 lbs. 1.50 - 2.20
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.. 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
96°, tanks, works.....ton.17.50 - —
CP, USP, consumers cbys., extra..lb. .08 - —
9-lb. bots., cs. extra..lb. .10 - —
dealers, cbys. extra....lb. .06½- —
9-lb. bots., cs. extra..lb. .08½- —
fuming, 20%, tanks, E. works. ton.19.80 - —

Acid, tannic, tech., bbls., dms.lb. .71 - .72
USP, fluffy, bbls., 1,000 lbs.. lb. 1.33 - —
smaller lots.....lb. 1.35 - 1.88
powder, bbls., 1,000 lbs..lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Tartaric, USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .54½- —
smaller lots, bbls..lb. .55 - —
kgs. .....lb. .56½- —
Thioglycolic, bbls., cbys., basis 100%..lb. 2.00 - 3.00
Tobias, bbls. .....lb. .60 - —
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, 100-lb. pkgs...lb. 2.94 - 3.18
pure, 100-lb. kgs.....lb. 2.66 - —
Aconite leaves, bls.....lb. 1.10 - 1.40
Root, bls.....lb. 1.20 - 1.25
Aconitine, amorph., bots.....oz.23.00 -28.00
15-gr. vials.....vial. 1.80 - —
cryst., bots.....oz.42.00 -48.00
15-gr. vials.....vial. 1.60 - —
Acrylonitrile, dms., c.l., works. lb. .26 - —
l.c.l., works.....lb. .26½- —
tanks, works.....lb. .25 - —
Adeps lanae USP, anhyd., cosmetic, dms., works.lb. pharmaceutical, dms., works. lb. .26 - .28
Agar .....lb. 4.00 - 4.25
Agaric, white, bls.....lb. 2.85 - 2.90
Agrimony herb, bls.....lb. .39 - .40
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .66 - .70
egg edible,[7] cryst., gran., bbls. lb. 1.75 - 1.84
powd., bbls. .....lb. 1.80 - 1.85
tech., cryst., bbls.....lb. 1.65 - 1.80
Alcohol, allyl, dms., c.l., dlvd.lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tankcars, dlvd.....lb. .20 - —
Amyl ex pentane, dms., c.l., frt. alld., E. of Miss. R. lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
(see also Fusel oil, ref.).
Benzyl, cns.....lb. .50 - —
dms. .....lb. .85 - .90
Butyl, normal, ferment. Ill., Ind. prod., dms., c.l., frt. alld..lb. .26 - —
l.c.l., frt. alld. E....lb. .26½- —
tanks, frt. alld. E....lb. .25 - —
tankwagon, frt. alld..lb. .25½- —
other production, dms., c.l., frt. alld. E..lb. .29 - —
l.c.l., frt. alld. E....lb. .30½- —
tanks, frt. alld. E....lb. .31 - —
synthetic, dms., c.l., frt. alld. E..lb. .15½- —
l.c.l., frt. alld. E....lb. .16 - —
tanks, frt. alld. E....lb. .14½- —
Normal butyl alcohol prices in West, ½c. per lb. higher.
secondary, dms., c.l., dlvd..lb. .09½- —
l.c.l., dlvd.....lb. .10 - —
tanks, dlvd.....lb. .08½- —
tertiary, denat., dms., c.l..lb. .13½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11 - —
Capryl, dms., c.l., works....lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16 - —
Cetyl, dom., CP., fiber ctns., 1,000 lbs..lb. 1.75 - 1.80
smaller lots.....lb. 1.95 - 2.85
Cinnamic, bots.....lb. 3.00 - 3.55
Denatured,[7] CD14, dms., c.l., works, E..gal. .89½- —
l.c.l., works, E.....gal. .92½- .96½
tanks, E. dlvd.....gal. .82½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., E. works..gal. .89½- —
l.c.l., works, E.....gal. .92½- .96½
tanks, E. works.....gal. .82½- —
Anhydrous 7c. per gal. higher
SD2B, dms., c.l., wks., E.gal. .89 - —
l.c.l., works, E.....gal. .92 - .96
tanks E. works.....gal. .82 - —
SD23G, dms., c.l., works.gal. .93½- —
l.c.l., works.....gal. .96½- 1.50
tanks, works.....gal. .86½- —
SD23H, dms., c.l.....gal. .89½- .906
l.c.l., works, E.....gal. .92½- .978
tanks, E. works.....gal. .82½- .838
SD29, denatured, with acetaldehyde, dms., c.l., E. works. gal. .90 - —
l.c.l., works, E.....gal. .94 - .99
tanks, E. works.....gal. .83 - —
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those of SD21 plus 1½c. per gal. denaturing charge.
Special solvent, dms., c.l., works, E..gal. .90 - —
l.c.l., works, E.....gal. .94½- 1.023
tanks, E. works.....gal. .84½- .883
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l., dlvd..lb. .11½- .14½
l.c.l., dlvd.....lb. .12 - .15
tanks, dlvd.....lb. .10½- .13½
tech., dms., c.l., dlvd.....lb. .11 - .13½
l.c.l., dlvd.....lb. .11½- .14
tanks, dlvd.....lb. .10 - .12½

Controls on Materials

Applications of CPA and WFA regulations to materials listed in this section are indicated by superior figures as follows:—

[3]—General Limitation Order

[4]—General Preference Order

[5]—Conservation Order

[6]—Allocation

[7]—War Food Order

Alcohol, ethyl, 190 pf., dms., c.l., works	gal.	18.01	- —
l.c.l., works	gal.	18.05	-18.10
tanks	gal.	17.94	- —
absolute, dms., c.l., works	gal.	18.06	- —
l.c.l., works	gal.	18.12	-18.17
tanks	gal.	18.01	- —
Ethylhexyl, dms., c.l., works	lb.	.25	- —
l.c.l., works	lb.	.26	- —
tanks, works	lb.	.24	- —
Furfuryl, tech., cns., works	lb.	.25	- —
dms., c.l., works	lb.	.22½	- —
l.c.l., works	lb.	.26	- —
tanks, works	lb.	.19	- —
Isoamyl (see Carbinol, isobutyl).			
Isobutyl, refd., dms., works	lb.	.0960	- —
tanks, works	lb.	.0760	- —
Isopropyl, refd., 91%, dms.,			
incl., c.l., dlvd.	gal.	.40½	-.41
l.c.l., dlvd.	gal.	.43½	-.44
tanks, dlvd.	gal.	.34	- .34½
99%, dms., incl., c.l., dlvd.	gal.	.44	- —
l.c.l., dlvd.	gal.	.47	- —
tanks, dlvd.	gal.	.37½	- —
Methyl (see Methanol).			
Methylamyl (see Carbinol methylisobutyl).			
Octyl, perfumer's grade, bots.	lb.	4.00	- 4.25
Phenylethyl, dms.	lb.	2.80	- 2.75
Polyvinyl, type A, fiber-pack, Niagara Falls	lb.	.65	- .70
type B, fiber-pack, same basis.	lb.	.60	- .69
Propyl, normal, dms., works, gal.	gal.	.67	- —
smaller containers, works.	gal.	.82	- —
tanks, works	gal.	.69	- —
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia.	lb.	.55	- —
dms., c.l., Waverly, N. Y.	lb.	.60	- —
l.c.l., same basis	lb.	.59	- —
Aldol, dms., works	lb.	.15	- .16
denaturing grade, dms.	gal.	1.30	- —
Aletris root, bgs.	lb.	1.35	- 2.00
Algarobilla, c.l., ex dock	long ton.	No prices	
Algarobilla price based on ocean frt. at $18 and $1 insurance per long ton.			
Algin, bbls., fib. dms.	lb.	.70	- 1.00
Alkanna (see Red, alkanin).			
Alkanet, root, bgs.	lb.	.85	- .90
Allspice, Mexican, futures, bgs.	lb.	.19½	- .20
Allyl bromide, cbys., 5,000 lbs., works	lb.	.90	- —
smaller lots, works	lb.	1.05	- 1.10
Chloride, dms., c.l., dlvd.	lb.	.12½	- —
l.c.l., dlvd.	lb.	.14	- —
tanks, dlvd.	lb.	.12½	- —
Aloe, Cape, cs.	lb.	.42	- .45
Curacoa, kgs.	lb.	.42	- .45
Socotrine, kgs.	lb.	.47	- .49
Aloin, bbls., dms., kgs.	lb.	4.50	- 4.60
Alphanaphthol, bbls.	lb.	.60	- —
Alphanaphthylamine, bbls.	lb.	.36	- —
Alphanaphthylthiourea, fib. dms., works, frt. alld.	lb.	4.00	- 4.40
Alphapicoline, ret. dms., works, frt. equald.		.27½	- —
Alphapinene, wks., South, tanks, gal.		1.15	- —
Alphaterpineol, dms., c.l., works.	lb.	.1340	- —
l.c.l., works	lb.	.1390	- —
tanks, works	lb.	.1360	- —
Alphatocopherol, amp.	gram.	1.00	- 1.10
Althea root, NF, peeled, bls.	lb.	.40	- .45
Alum, ammonia, borat, USP, bbls., kgs.	lb.	.18	- .19
gran., bbls., works	100 lbs.	4.00	- —
dlvd., N. Y., Phil.	100 lbs.	4.00	- —
lump, bbls., works	100 lbs.	4.25	- —
dlvd., N. Y., Phil.	100 lbs.	4.25	- —
powd., bbls., works	100 lbs.	4.40	- —
dlvd., N. Y., Phil.	100 lbs.	4.40	- —
Potash, gran., bbls., works	100 lbs.	4.25	- —
dlvd., N. Y., Phil.	100 lbs.	4.25	- —
lump, bbls., works	100 lbs.	4.50	- —
dlvd., N. Y., Phil.	100 lbs.	4.50	- —
powd., bbls., works	100 lbs.	4.65	- —
dlvd., N. Y., Phil.	100 lbs.	4.65	- —
Potash-chrome, bbls.	lb.	.13½	- .15
Soda, bbls., c.l., works	100 lbs.	4.25	- —
l.c.l., dlvd.	100 lbs.	4.25	- 5.00
Alumina, classified, grade, grd., kgs., works	lb.	.35	- .67
top grade, ground, kgs., works	lb.	.60	- .67
unclassified, ground, kgs., works	lb.	.10½	- .40
Acetate, basic solution, 24%, bbls., l.c.l., works	lb.	.09½	- .10
20%, bbls., l.c.l., works	lb.	.08½	- .09
Chloride, anhyd., com'l, dms., c.l., works	lb.	.10	- .11
l.c.l., works	lb.	.10½	- —
cryst., com'l, dms., c.l., works	lb.	.25	- —
l.c.l., works	lb.	.06½	- .06¾
solution, 22 deg., cryst., c.l., works	lb.	.02½	- —
l.c.l., works	lb.	.05¼	- —
Fluoride, tech., bbls.	lb.	.25	- —
Formate, solution, 12-20° Be, bbls., c.l., works, f.o.b. equaled Phila. and Chi.	lb.	.09½	- —
l.c.l., works, same basis.	lb.	.10	- —
Hydrate, heavy, bgs., c.l., works	lb.	.024	- .031
l.c.l., works	lb.	.035	- .040
light, bgs., dlvd.	lb.	.14½	- —
bbls., dlvd.	lb.	.15	- —
Hydroxide, gel tech., min. 15% Al (OH_3), dms., 10,000 lbs. or more, f.o.b. ship't point	lb.	.03	- .03¼
ton lots, same basis	lb.	.03¼	- .03½
smaller lots, same basis.	lb.	.03¾	- .04
9-9½% Al_2O_3, fib. dms., works.	lb.	.17¾	- —
contract, works	lb.	.16¾	- —
14-15% Al_2O_3, fib. dms., works	lb.	.20¾	- —
contract, works	lb.	.19¾	- —
dried, USP XII, fib. dms., works	lb.	.75	- —
contract, works	lb.	.75	- —
powder, tech. (see Alumina hydrate)			
USP IX, bbls., dms.	lb.	.15	- .17
Laurate, precip., bbls.	lb.	.25	- .30
Naphthenate, 1.7% Al, 90-gal. dms., works	lb.	.19	- —
Oleate, dms., contract	lb.	.24½	- —
Resinate, precip., dms.	lb.	.13½	- —
Stearate, precip., etn., c.l.	lb.	.42	- —
l.c.l.	lb.	.43	- .44
Sulphate, com'l, bgs., c.l., works, frt. equald.	100 lbs.	1.15	- 1.20
l.c.l., works, frt. equald.	100 lbs.	1.40	- 1.80
bbls., c.l., works, frt. equald.	100 lbs.	1.35	- 1.40
l.c.l., works, frt. equald.	100 lbs.	1.60	- 1.70
iron-free, bgs., c.l., works,	100 lbs.	1.75	- —
l.c.l., works	100 lbs.	2.00	- —
Trihydrate, heavy (see Alumina hydrate).			
Aluminum, 98-99%, c.l.	lb.	.15	- —
l.c.l.	lb.	.15	- .16
paste, liafing, extra fine, 300-lb. dms.	lb.	.86	- .89
fak, 180-lb. dms.	lb.	.71	- —
standard, 200-lb. dms.	lb.	.89	- —
Aluminum powder, lining, extra fine, 150-lb. dms.	lb.	.86	- —
litho, 150-lb. dms.	lb.	.89	- —
standard, 200-lb. dms.	lb.	.89	- —
rubber comp., 300-lb. dms.	lb.	.42	- —
unpolished, stand., dms.	lb.	.98	- —
varnish, stand., 300-lb. dms.	lb.	.43	- —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 20,000 lbs., and 4c. for 20,000 lbs. or more. Where destination is within the continental U. S. a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins	oz.	8.75	-12.00
Aminoethylpropanol, cns., dms., works	lb.	.50	- .60
Aminopyrine, bots., dms.	lb.	4.00	- 4.40
Ammonia acetate, reagent, crystals, bbls.	lb.	.34	- —
purified, bbls.	lb.	.32	- —
Anhydrous, fertilizer, tankcars, works, frt. equald.	ton	59.00	- —
pure, cyls.	lb.	.14½	- —
refrigeration, tanks, works	ton	61.50	- —
Aqua, 26°, cbys.	lb.	.05¼	- —
dms., c.l.	lb.	.02¼	- —
l.c.l.	lb.	.02½	- —
tanks, works (NH_3 content).	ton	65.00	- —
Benzoate, USP, dms., kgs., 4,000 lbs., up, frt. alld.	lb.	.43	- —
smaller lots, frt. alld.	lb.	.44	- .47
Biborate, gran., bbls., N. Y. or Chi.	lb.	.1515	- —
Bicarbonate, dms., c.l.	lb.	.0564	- —
Bichromate, bbls.	lb.	.23	- .25
Bifluoride, bbls.	lb.	.15	- .15½
Borate, gran., bbls., kgs.	lb.	.1080	- —
powd., bbls., kgs.	lb.	.1130	- —
Bromide, gran., NF, bbls.	lb.	.28	- —
dms.	lb.	.29	- —
Powdered ammonia bromide 10c. per lb. higher.			
Carbonate, USP, lump, dms.	lb.	.08½	- .09½
cns.	lb.	.14¾	- .17½
powdered, 1c. per lb. higher.			
Chloride, tech. (see Ammoniac, sal).			
USP, gran., bbls., dms., kgs.	lb.	.13	- .15
dms.	lb.	.75	- —
	lb.	.80	- .85
Fluoride, bbls.	lb.	No stocks	
Hydroxide (see Ammonia, aqua).			
Hypophosphite, NF, dms.	lb.	1.25	- 1.27
jars	lb.	1.30	- 1.35
Iodide, NF, jars	lb.	3.90	- —
Linoleate, 80%, anhyd., bbls.	lb.	.12	- —
Molybdate,[6] c.p., cryst., kgs.	lb.	1.26	- 1.30
fine cryst., bbls., kgs.	lb.	.84	- .87
purified, dms.	lb.	1.10	- 1.12
Nitrate, fertilizer grade, Canadian, 32.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, bgs., c.l., shipping point	ton.	52.00	- —
bulk, same basis	ton.	46.00	- —
tech., bgs., works	100 lbs.	4.35	- 4.50
bbls., works	100 lbs.	4.55	- —
Nitrate - limestone, 20.5% N, bgs., Hopewell, Va.	ton.	32.50	- —
Oleate, dms.	lb.	.14	- —
Oxalate, fine gran., bbls.	lb.	.23	- —
dms.	lb.	.25	- .29
Perchlorate, kgs.	lb.	No stocks	
Persulphate, kgs.	lb.	.25½	- .28½
Phosphate, dibasic, NF V, bbls., kgs.	lb.	.37	- .39
tech., bgs., c.l., works	lb.	.07	- —
l.c.l., works	lb.	.07¾	- —
monobasic, pure, bbls.	lb.	.39	- .41
tech., bgs., c.l., works	lb.	.07	- —
l.c.l., works	lb.	.07¾	- .08¾
Salicylate, NF, dms., kgs.	lb.	1.15	- 1.16
Silicofluoride, bbls.	lb.	.15	- .18
Stearate, anhydrous, dms.	lb.	.34	- —
paste, dms.	lb.	.06¼	- —
Sulphamate, bbls., dms., works.	lb.	.18	- .20
Sulphate, bulk, producing ovens	ton.	30.00	- —
Sulphide, liquid, 40-45% basis 100%, dms., c.l., works	lb.	.00	- —
l.c.l., dlvd.	lb.	.15	- —
tanks, dlvd.	lb.	.07½	- —
red, 48%, cbys., works	lb.	.08	- —
dms., works	lb.	.06	- —
yellow, 33%, cbys., works	lb.	.08	- —
dms., works	lb.	.06	- —
Sulphocyanide, CP, bbls.	lb.	.55	- —
jars	lb.	.97	- —
tech., bbls.	lb.	.17	- .19
Thiocyanate (see Ammonia sulphocyanide).			
Thioglycollate, highly purified, 100% basis, bbls.	lb.	7.10	- 8.25
Ammoniac gum (see Gum, ammoniac).			
Sal, gray, bbls., c.l., works	100 lbs.	5.50	- 5.75
l.c.l., works	100 lbs.	6.00	- 6.70
white, gran., bbls., c.l., works.			
l.c.l., same basis.	100 lbs.	5.15	- —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd.	lb.	.25	- —
l.c.l., dlvd.	lb.	.25½	- —
tanks, dlvd.	lb.	.24	- —
ex-pentane, dms., c.l. frt. alld.			
E. of Miss R.	lb.	.191	- —
l.c.l., same basis	lb.	.201	- —
tanks, same basis	lb.	.181	- —
Alcohol (see Alcohol, amyl).			
Butyrate, dms.	lb.	.90	- 1.00
Chloride, mixed, tech., dms., c.l., works	lb.	.07	- —
l.c.l., works	lb.	.08	- —
tanks, works	lb.	.06	- —
Ether, dms., c.l., works	lb.	.095	- —
l.c.l., works	lb.	.102	- —
tanks, works	lb.	.085	- —
Nitrite, USP, bots.	lb.	1.72	- 1.85
Mercaptan, dms., works	lb.	1.10	- —
Salicylate, prime, bots.	lb.	.83	- .85
Stearate, dms., works	lb.	.42	- .45½
Anethol, com'l, dms., works	lb.	.657	- .695
NF, dms.	lb.	1.40	- 2.45
Angelica dom, atropurpurea root,	bls.	1.30	- 1.40
imported, natural, bls.	lb.	2.50	- 2.60
Angostura bark, bls.	lb.	.65	- .66
Anilin oil, dms., c.l., works, frt. alld.	lb.	.12	- —
l.c.l., works, frt. alld.	lb.	.13	- —
tanks, works, frt. alld.	lb.	.11	- —
Salt, dms., works	lb.	.22	- .24
Anise, Argentine, bgs.	lb.	.43	- .43½
Chinese, Star	lb.	.22	- .22½
futures	lb.	.40	- .41
Cyprus, bgs.	lb.	.45	- .46
Mexican, bgs.	lb.	.44	- .45
Syrian, bgs.	lb.	.44½	- .45
Turkish, bgs.	lb.	No stocks	
Anisic aldehyde, dms.	lb.	2.60	- 3.00
cns., bots.	lb.	2.90	- 3.25
Annatto, paste, bxs.	lb.	.84	- .86
Seed, bgs.	lb.	.14	- .14¼
Anthracene, 80-85%, bbls., works.	lb.	.09	- —
90%, bbls., works	lb.	.81	- —
Anthraquinone, 99.5%, bbls.	lb.	.70	- —
Antimony butter (see Antimony chloride).			
Chloride, solut., cbys.	lb.	.17	- —
Metal,[4] bulk, c.l., works	lb.	.29½	- .30
Needle,[6] Bolivian, brown, 67% cs.	lb.	No prices	
Chinese, black, 70%, cs.	lb.	No prices	
Oxide,[3] ceramic grade, bgs., c.l.	lb.	.21¾	- .25½
l.c.l.	lb.	.21	- .26
paint grade, bgs., c.l.	lb.	.21	- —
l.c.l.	lb.	.21¾	- —
Salt,[3] 65%, bgs., c.l., dlvd.			
of Miss. River	lb.	No stocks	
Sulphide,[6] 65-70%, bbls., c.l., works	lb.	.17¼	- —
l.c.l., works	lb.	.20	- .21
Antipyrine, bbls., kgs., ton	lb.	2.00	- —
smaller lots	lb.	2.10	- 2.20
Apomorphine, bots.	oz.	23.20	-23.70
Archil extract, bbls.	lb.	No stocks	
Areca nuts, powd., bbls.	lb.	.25	- .26
Arecoline hydrobromide, bots.	oz.	6.10	- 7.10
Argols, min. 70%, bgs., shipment port, 100 kilos (100% purity).		35.00	-36.00
Arnica flowers, bbls.	lb.	1.60	Nom.
Arrowroot, powd., bgs., bbls.	lb.	.12	- .16
Arsenic, chloride (arsenous), bots.	lb.	1.55	- —
Metal, lump, c.l.	lb.	No prices	
Sulphide, yellow, bbls.	lb.	No stocks	
Trioxide (see Acid, arsenous, and Arsenic, white).			
White, powd., bbls., c.l.	lb.	.06	- —
l.c.l.	lb.	.07	- .08
Asafetida, cs.	lb.	.65	- .70
powd., bbls., dms.	lb.	.72	- .77
Asbestine (see Talc, N. Y., fibrous).			
Asbestos, fiber,[1] 5D and 5K, bgs., c.l. (20 tons), Cana. mines.	ton.	49.50	- —
5R, bgs., c.l. (20 tons), same basis	ton.	44.00	- —
6D, bgs., c.l. (20 tons), same basis	ton.	32.00	- —
7D, bgs., c.l., same basis	ton.	29.50	- —
7F, bgs., c.l., same basis	ton.	26.50	- —
7K, bgs., c.l., same basis	ton.	19.00	- —
7M, bgs., c.l., same basis	ton.	15.50	- —
7R, bgs., c.l., same basis	ton.	15.50	- —
Asphaltum, Barbados, Dunellen, N. J.	lb.	.10½	- —
California, dms., c.l.	ton.	36.40	- —
l.c.l.	ton.	41.40	- —
Cuba, A, bulk, c.l.	ton.	60.00	- —
l.c.l.	ton.	90.60	- —
B, bulk, c.l.	ton.	58.50	- —
l.c.l.	ton.	58.50	- —
Egyptian	ton.	No stocks	
Gilsonite, brilliant black, selects, 340° F. fusing point, bgs., mines	ton.	30.00	-32.00
270-295° fusing point, bgs., mines	ton.	30.50	- —
seconds, 300-350° F. fusing point, not uniform, bgs., mines	ton.	25.50	- —
jet, bgs., ton lots, gross weight, Colo. mines	ton.	30.50	- —
Manjak, No. 10, crude, dms., works	lb.	.05½	- .12
process form, bgs., works	lb.	.05¾	- .12
jet, bgs., 2,000 lbs., gross weight, Colo. mines	ton.	30.50	- —
Mexican, refd., dms., f.o.b. Tampico, Mex. metric ton		27.50	- —
South American, refd., dms., c.l., N. J. refy.	ton.	22.00	-23.00
l.c.l., same basis	ton.	24.00	-25.00
tanks, same basis	ton.	15.00	- —
Atropine, bots.	oz.	9.85	- —
Sulphate, bots.	oz.	7.85	- —

B

Balm of Gilead buds, bgs.	lb.	2.25	- 2.90
Barbasco root (see Cube root).			
Barberry root bark, bgs.	lb.	.75	- .80
Barbital, dms.	lb.	2.50	- 2.60
sodium, dms.	lb.	2.75	- 2.85
Barium carbonate, natural, 90% through 200 mesh, bgs., c.l., works	ton.	42.00	- —
precip., bgs., c.l., works	ton.	60.00	-70.00
l.c.l., works	ton.	65.00	-75.00
bbls., c.l., works	ton.	65.00	-75.00
l.c.l., works	ton.	70.00	-80.00
Chlorate, kgs., works	lb.	.27½	- .31
Chloride, CP, cryst., bbls.	lb.	.25	- .27
pure, bbls., kgs.	lb.	.10	- .12
tech., cryst., bgs., c.l., works.	ton.	73.00	- —
l.c.l., works	ton.	73.00	- —
bbls., c.l., works	ton.	75.00	- —
l.c.l., works	ton.	80.00	- —
Dioxide, dms., c.l., works	lb.	.10	- —
l.c.l., works	lb.	.12	- .13
Fluoride, bbls.	lb.	.19	Nom.
Hydrate, crystals, bbls.	lb.	.06¼	- .07¼
Hydroxide, bbls., works	lb.	.15	- .16
Iodide, bots.	lb.	5.12	- —
Monoxide (see Oxide).			
Nitrate, bbls., c.l., works	lb.	.09½	- .11¼
l.c.l., works	lb.	.10	- .11¼
Oxide, dms., c.l., works	lb.	.11½	- .12
l.c.l., works	lb.	.14	- .15
grd. dms., l.c.l., works	lb.	.15	- .17
Peroxide (see Dioxide).			
Silicofluoride, bbls.	lb.	.17	- .19
Stearate, etns., 1 ton up	lb.	.50	- —
smaller lots	lb.	.51	- —
Sulphate, tech. (see Barytes, and Blanc fixe).			
X-ray, bbls.	lb.	.09¼	- .10
kgs.	lb.	.12	- —
Barytes, water-grd., paper bgs., c.l., St. Louis	ton.	31.10	- —
l.c.l., same basis	ton.	32.10	- —
ex whse., N. Y.	ton.	41.95	- —
Southern, off-color, bgs., mines	ton.	19.00	- —
95.75%, bgs., mines	ton.	20.00	- —
Ore, approx. 94% $BaSO_4$, bulk, mines	ton.	8.50	-12.50
Bay leaves (see Laurel leaves).			
Barberry bark, bgs.	lb.	.12	- .13
Belladonna leaves, bls.	lb.	2.50	Nom.
Root, bls.	lb.	2.50	Nom.
Bauxite bulk, mines	ton.	7.00	-10.00
Bentonite, 200 mesh, bgs., works.	ton.	11.00	- —
325 mesh, bgs., works	ton.	16.00	- —
Benzaldenyde, NF, dms.	lb.	.70	- 1.20
tech., cbys., dms.	lb.	.45	- .95
Benzene (see Benzol).			
Benzidin base, bbls.	lb.	.70	- —
Benzocaine, cns.	lb.	3.50	- 3.85
Benzol (benzene), pure, nitration and 90%, dms., works, frt. alld. up to 2c.	gal.	.22	- —
tanks, E. of Omaha, same basis	gal.	.17	- —
W. Coast, Minnequa, Colo., same basis	gal.	.17	- —
Benzophenone, dms.	lb.	1.15	- 1.25
Benzoyl chloride, cbys.	lb.	.25	- .28
Peroxide, pure, gran., fib. ctns., works.	lb.	.80	- 1.05
Benzyl acetate, f.f.c., cns.	lb.	.55	- .70
dms.	lb.	.55	- .60
Alcohol (see Alcohol, benzyl).			
Chloride, tech., cbys., works, frt. equald.	lb.	.20	- —
refined, cbys.	lb.	.21	- —
Cinnamate, cns.	lb.	4.60	- 4.85
Formate, cns.	lb.	2.10	- 2.50
Propionate, bots.	lb.	1.80	- 2.45
Salicylate, bots.	lb.	1.90	- 2.10
Benzylidinacetone, bots.	lb.	2.85	- 2.70
Benzylisoeugenol, bots.	lb.	9.50	- —
Berberine bisulphate, cns.	lb.	No stocks	
Hydrochloride, bots.	lb.	No stocks	
Sulphate, cns.	lb.	No stocks	
Berberis root, bls.	lb.	.30	- .35
Betanaphthol, resublimed, dms., works	lb.	.55	- .60
tech., bbls., c.l., works	lb.	.21	- —
l.c.l., works	lb.	.23	- —
Benzoate, fib. dms., works	lb.	1.75	- —
Salicylate, dms.	lb.	5.00	- —
Betanaphthylamine, tech., works.	lb.	.59	- —
Betagammapicoline, dms., c.l., works	lb.	.24½	- —
l.c.l., works	lb.	.25	- —
Betapicoline, 90%, ret. dms., c.l., works	lb.	1.60	- —
l.c.l., works	lb.	1.85	- —
95%, dms., works	lb.	2.05	- —
98-99%, works	lb.	2.20	- —
Beth root, bls.	lb.	.45	- .50
Bismuth chloride, jars	lb.	4.35	- —
Citrate, USP VIII, jars	lb.	2.97	- —
Hydroxide, cns.	lb.	3.50	- —
Metal, ton lots	lb.	1.80	- —
Nitrate, cryst., ens.	lb.	1.40	- —
Oxychloride, cns., dms., kgs.	lb.	3.00	- —
Subcarbonate, USP, bbls., dms.	lb.	2.40	- —
Subgallate, NF, fib. dms.	lb.	2.35	- —
Subiodide, fib. dms.	lb.	4.15	- —
Subnitrate, USP, powd., bbls., dms.	lb.	2.00	- —
Subsalicylate, USP, bbls., fib. dms.	lb.	2.90	- —
Sulphocarbolate, fib. dms.	lb.	4.05	- —
Bismuth-ammonia citrate, USP, powd., dms.	lb.	3.70	- —
Black, acetylene, bgs., c.l., works.	lb.	.14	- —
l.c.l., works	lb.	.15	- —
Bone 1A, bgs., bbls., c.l., frt. alld. dest.	lb.	.19	- —
1, bgs., bbls., c.l., same basis.	lb.	.18½	- .19½
2 bgs., bbls., c.l., same basis.	lb.	.18	- .18½
3 bgs., bbls., c.l., same basis.	lb.	.14	- .14½
4, bgs., bbl., c.l., same basis.	lb.	.13	- .19
5, bgs., bbls., c.l., same basis.	lb.	.10½	- .11
6, bgs., bbls., c.l., same basis.	lb.	.10½	- .11
457, bgs., bbls., c.l., same basis.	lb.	.11¾	- —
7, bgs., bbls., c.l., same basis.	lb.	.13½	- .14
8, bgs., bbls., c.l., same basis.	lb.	.14½	- .15
490A, bgs., bbls., c.l., same basis.	lb.	.06½	- —
Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.			
Carbon, channel, compressed, beads, bulk, c.l., works.	lb.	.06½	- —
bgs., c.l., works	lb.	.05¾	- —
l.c.l., works	lb.	.06½	- —
dlvd. or whse.	lb.	.0970	- —
uncompressed, regular, bgs., c.l., works	lb.	.06½	- —
bgs., etns., l.c.l. dlvd. or whse.	lb.	.1030	- —
furnace, HMF, bgs., c.l., works.	lb.	.05	- —
etns., l.c.l., whse.	lb.	.07½	- —
SRF, bgs., c.l., works.	lb.	.05½	- —
etns., l.c.l., whse.	lb.	.09	- —
Thermatonic, bgs., c.l., works, La.	lb.	.04	- —
l.c.l., whse. Trenton, N. J.	lb.	.06½	- —
Charcoal (see C).			
Graphite (see G).			
Iron oxide, magnetic, pure, bbls., l.c.l., works.	lb.	.06½	- —
Lamp, 1, etns., c.l., works.	lb.	.08	- —
l.c.l., works	lb.	.09	- —
2, etns., c.l., works	lb.	.10	- —
l.c.l., works	lb.	.11	- —
2A, etns., c.l., works	lb.	.12	- —
l.c.l., works	lb.	.13½	- —
3, etns., c.l., works	lb.	.14½	- —
l.c.l., works	lb.	.15½	- —
4, etns., c.l., works	lb.	.16½	- —
l.c.l., works	lb.	.17½	- —
5, etns., c.l., works	lb.	.20	- —
l.c.l., works	lb.	.23	- —
6, etns., c.l., works	lb.	.26½	- —
l.c.l., works	lb.	.27½	- —
7, etns., c.l., works	lb.	.27½	- —
l.c.l., works	lb.	.28½	- —
Mineral, vine type, bbls., l.c.l., works.	lb.	.04¾	- —
Vine A, bbls.	lb.	.04½	- .05
B, bbls.	lb.	.05¾	- —
kegs	lb.	.06	- —
Black dyes (see Dyes).			
Black haw root bark, bls.	lb.	.32	- .34
Tree bark, bls.	lb.	.58	- .60
Black Indian hemp root, bls.	lb.	.89	- .90
Blanc fixe, dr), by-product, bgs., c.l., works	ton.	60.00	- —
l.c.l., works	ton.	67.00	- —
direct process, bgs., c.l., works	ton.	70.00	- —
bbls., c.l., works	ton.	75.00	- —
l.c.l., works	ton.	80.00	- —
pulp, 66%, bbls., c.l., works,	ton.	40.00	- —
l.c.l., same basis	ton.	42.80	- —
Bleaching powder,[2] dms., c.l., works	100 lbs.	2.50	- 2.10
l.c.l., works	100 lbs.	2.75	- 2.80
Blood, dried, 16-16½% ammo., bgs.	unit-ton.	2.50	- —
high-grade, unground, 16-17% ammon., bulk, Chicago.	unit-ton.	2.50	- —
soluble, bgs., c.l., Chicago.	lb.	.13¼	- —
l.c.l., Chicago	lb.	.15	- .20
Bloodroot, bls.	lb.	.65	- .66
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.			
toner bbls., same basis	lb.	1.75	- —
Celestial, bbls., same basis	lb.	1.10	- —
Chinese, bbls., same basis	lb.	.10	- .12
Cobalt, genuine, bbls., same basis	lb.	.90	- —
Imitation (see Blue, ultramarine).	lb.	4.90	- —
Copper, phthalocyanin, full strength, bbls., same basis.	lb.	3.50	- 3.75
60%, bbls., same basis	lb.	3.00	- —
green shade, bbls., same basis.	lb.	4.80	- 4.90
Iron (see Blue, Chinese, Milori, Potash Prussian, and Soda).			
Milori, bbls., same basis	lb.	.90	- —
Molybdated, Victoria, bbls., same basis	lb.	3.15	- —
Peacock, fugitive, 100% color strength, same basis	lb.	.53	- —
permanent toner, green shade, molybdic, bbls., same basis.	lb.	3.50	- —
tungstic	lb.	4.00	- —

OPD—12-23-1946 11

May the Spirit of Christmas help more than ever before to influence men everywhere to labor for a lasting peace that Health, Happiness, Prosperity and Good Will may again prevail throughout the entire world.

WILLIAM D. NEUBERG COMPANY

Chemicals

GRAYBAR BUILDING • 420 LEXINGTON AVE • NEW YORK 17, N. Y.
TELEPHONE LEXINGTON 2-3324
CABLE "WILNEUBERG"

Blue, potash, CP, bbls., same basis..lb. .45½- —
Prussian, bbls., same basis.lb. .26 - —
soluble, bbls., same basis.lb. .56 - —
Soda, CP, bronze, bbls., same basis..lb. .29 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis. lb. .26 - .27
jobbing type, dry, bbls., same basis..lb. .12 - .13
regular types, dry or pulp, bbls., same basis..lb. .17 - .27
Victoria, toner, molybdic, bbls., lb. 3.15 - —
tungstic, bbls. .....lb. 3.30 - 3.55
ink toner, bbls., same basis. lb. 1.83 - —
synthetic vehicle, bbls., same basis..lb. 1.98 - —
Violet toner, molybdic, bbls., same basis..lb. 1.24 - —
tungstic, kgs., same basis..lb. 2.10 - —

Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1½c); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.

Blues dyes are listed under Dyes.

Blue mass, NF, cns., tube....lb. 1.58 - 1.75
powd., bots., cns., dms.....lb. 1.61 - 1.76
Bluedag, root, bls.....lb. No stocks
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls.....lb. .11 - .12
Bone, raw, bulk, Chicago....ton.75.00 - —
junk, bulk, same basis....ton.50.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works.. ton.65.00 - —
Chicago, works....ton.75.00 - —
Bone meal, steamed, feeding grade, 1% ammon., 60% phos., kgs., E. works.. ton.70.00 - —
Chicago, works....ton.80.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works. ton.60.00 - —
Chicago, works....ton.60.00 - —
Phosphate, defluorinated (see D.).
Precipitated (see Calcium phosphate tribasic precip.).
Boneset leaves, bls. .....lb. .16 - .17
Borage flowers, bls. .....lb. .60 - .62
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.44.50 -47.50
bgs., c.l., frt. alld....ton. — - —
ton lots, ex whse....ton. — - —
less ton lots, ex whse.ton. — - —
bbls., c.l., frt. alld....ton. — - —
ton lots, ex whse....ton. — - —
less ton lots, ex whse.ton. — - —
powd., bgs., c.l., frt.alld.. ton. — - —
ton lots, ex whse....ton. — - —
less ton lots, ex whse.ton. — - —
bbls., c.l., frt. alld....ton. — - —
ton lots, ex whse....ton. — - —
less ton lots, ex whse.ton. — - —
USP, $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11½- —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., frt. alld. E. of Rockies..lb. .23 - —
single pkgs., same basis.lb. .28 - —
Brazilwood extract (see Hypernic).
Bromoform, USP, bots.....lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 4.85 - 6.25
Bronze powder, aluminum (see A).
Gold, litho., 100-lb. cns., dms., works..lb. .80 - .90
gold, moulding, 100-lb. cans, dms., same basis..lb. .80 - 1.00
printing ink, 100-lb. cns., dms., same basis..lb. .95 - 1.10
radiator, 100-lb. cns., dms., same basis..lb. .60 - .65
Broomtop, bls. .....lb. .29 - .30
Brown, iron-oxide, pure, precip., cks., works..lb. .12 - —
Metallic, bbls., c.l., works.lb. .03½- —
Sap, crystals, works.....lb. .13 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .06½- .08
pap. bgs., c.l., same basis. lb. .0235- —
Italian type, bbls., works. lb. .08¾- .09¾
raw, American, bbls., works. lb. .04 - .10
Italian type, bbls., works. lb .08 - .10
Umber, burnt, American, bbls., works..lb. .06¼- —
Italian-type, bbls., works.lb. .04¾- —
Turkey-type, bbls., c.l., Boston, Bethlehem, Easton, Pa.; N. Y..lb. .04¾- —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05¼- —
Minneapolis .....lb. .0535- —
Pittsburgh .....lb. .05 - —
Los Angeles.....lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05½- —
ex whse., Los Angeles. lb. .05⅝- —
Portland, San Francisco, Seattle..lb. .05¾- —
Vandyke, reg., bbls., works.lb. .09 - —
special, bbls., works.....lb. .12 - —
Brucine, cns., 100 ozs.....oz. .33 - .47
Sulphate, cns., 100 ozs.....oz. .32 - .34
Bryonia root, bls.....lb. .55 - .60
Buchu leaves, bls. .....lb. .80 - .85
Buckthorn bark, bls.....lb. .38 - .40
cut and sifted, bbls.....lb. .52 - .53
Berries, bgs. .....lb. 1.00 - 1.10
Burdock root, bls.....lb. .55 - .65
Burgundy pitch, dom., dms., wks., South..100 lbs. 8.71 - 9.21
Butane, indust., tanks, Group 3. gal. .08½- —
Butyl acetate, normal, ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss R..lb. .26 - —
l.c.l., same basis..lb. .26½- —
tanks, same basis...lb. .25 - —
tankwagon, same basis. lb. .25½- —
other production, dms., c.l., same basis..lb. .27 - —
l.c.l., same basis....lb. .27½- —
tanks, same basis....lb. .26 - —
synthetic, dms., c.l., same basis..lb. .15½- —
l.c.l., same basis..lb. .16 - —
tanks, same basis...lb. .14½- —
secondary, dms., c.l., dlvd. E. of Miss. R..lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08½- —
Normal butyl acetate, W. of Miss. R., ½c. per lb. higher.
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works .....lb. .16½- —
tanks, works .....lb. .14½- —
Ether (see Ether, butyl).
Lactate, dms., c.l., frt. alld. E. of Rockies..lb. .38 - —
l.c.l., same basis.....lb. .38½- —
tanks, same basis.....lb. .37 - —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., l.c.l., works. lb. .35 - —
tech., dms., c.l., works....lb. .24 - —
l.c.l., works .....lb. .24½- .25½
Phenylacetate, dms. .....lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd.....lb. .16½- .17
tanks, dlvd. .....lb. .15½- —
Stearate, dms., l.c.l., frt. alld. E. of Rockies..lb. .47 - —
Butyric ether, bots. .....lb. 6.50 - 6.90
cns., works .....lb. .65 - .70
dms., works .....lb. .60 - —

C

Cadmium bromide, bots.....lb. 1.64 - 1.81
jars .....lb. 1.65 - 1.70
Iodide, cns.....lb. 4.48 - 4.49
Lithopone (see Yellow).
Metal, ingots or sticks, dlvd. lb. 1.55 - —
pat. shapes, cs., dlvd.....lb. 1.55 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, dms., 100 lbs. or more. lb. 3.75 - 7.00
anhydrous, dms., 100 lbs. or more..lb. 4.00 - —
Citrated, dms., 100 lbs. or more. lb. 2.50 - —
Hydrobromide, bots. .....lb. 5.21 - 5.99
Calabar beans, bgs., futures. lb. .65 - .80
Calamus root, natural, dom., bls. lb. .45 - .50
imported, bleached, bls..lb. .70 - .85
Calciferol, in corn oil, dms., 10,000 units or more, works, unit. .10 - —
1,000 to 10,000 units, works, unit. .11 - —
less than 1,000 units, works, unit. .13 - —
Calcium acetate, bgs., dlvd.... 100 lbs. 3.00 - 4.00
Arsenate, dealers, dms., c.l., whse., wks., frt. alld..lb. .06½- —
l.c.l., same basis.....lb. .09 - —
Bromide, N.F., jars.....lb. .65 - .70
Carbide, dms., c.l., works..ton.50.00 - —
dlvd. .....ton.67.00 -90.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars..lb. .25 - .30
flake, 77-80%, paper bgs., c.l., dlvd..ton.18.50 -32.00
l.c.l., dlvd.....ton.28.50 -51.00
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, 73-75%, dms., c.l., dlvd. ton.18.00 -27.50
l.c.l., dlvd.....ton.28.00 -50.00
Calcium chloride prices vary according to zone; minimum prices are for spot delivery. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums, $3.50 per ton over paper bags.
Cyanide, dms., delivered E. of Rockies..lb. .20 - .40
Gluconate, USP and AA grade, pound bbls., dms.....lb. .58 - .65
dms. .....lb. .63 - .72
cns. .....lb. .76 - .85
Glycerophosphate, fiber dms., N.F., pound, fib. dms..lb. 1.90 - —
Hypochlorite, dms., dlvd. E. of Rockies..lb. .22 - .26½
cans, in cases, same basis..lb. .3775- .4325
Iodide, jars.....lb. 4.12 - —
Lactate, USP, bbls.....lb. .33 - .40
Laurate, bbls.....lb. .28 - .30
Mandelate, USP, dense, fluffy, works, dms..lb. 2.05 - 2.30
Naphthenate, 5% Ca., 50-gal. dms..lb. .35½- .36½
Panthothenate, dos., 100-gram bots, works..per gram. .10 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 or over, works..lb. .07 - .07¾
less than 10, works.....lb. .08 - .10
medicinal, dibasic, bgs..... 100 lbs.11.40 -13.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
l.c.l., frt. equald.....lb. .06 - .06½
tribasic, bbls., c.l., works..lb. .0635- —
bgs., l.c.l., works.....lb. .0645- .0680
Resinate, precip., 5.8% Ca, 100-lb. dms..lb. .18½- —
Silicate, hydrated, c.l., bgs., works..lb. .05½- —
l.c.l., works.....lb. .06 - —
Stearate, precip., ctns., 1,000 lbs. to c.l., works..lb. .47 - —
less than ton lots, works.lb. .48 - —
Sulphate (see Gypsum).
Sulphide, 75%, bgs., c.l., works. ton.45.00 - —
80%, bgs., c.l., works...ton.50.00 - —
luminous, tins, works....lb. 1.25 - —
Sulphocarbolate, bbls. .....lb. .49 - .50
Tallate, 3%-4% Ca, 50-gal. dms. lb. .12½- .13¼
Calcium-strontium sulphide, phosphorescent, dms., works.lb. 1.00 - 1.50
fine particle size, works. lb. 1.50 - 1.75
Calendula flowers, bls.....lb. 1.15 - 1.20
Calomel, bbls., dms.....lb. 2.44 - 2.45

Let CALCO's large-capacity plants supply your Bulk Pharmaceuticals

CALCO'S capacity to manufacture bulk pharmaceuticals in large quantity is one reason why you should depend upon this company as your source of supply for present and future needs.

In CALCO'S extensive plants covering nearly 550 acres and employing nearly 5,000 trained technicians and operators every step from laboratories through to finished big-scale production is rigorously checked to insure an absolute uniform standard of quality.

Why not call upon CALCO now for the bulk pharmaceuticals listed on this page?

★ *Precise and complete analytical control*

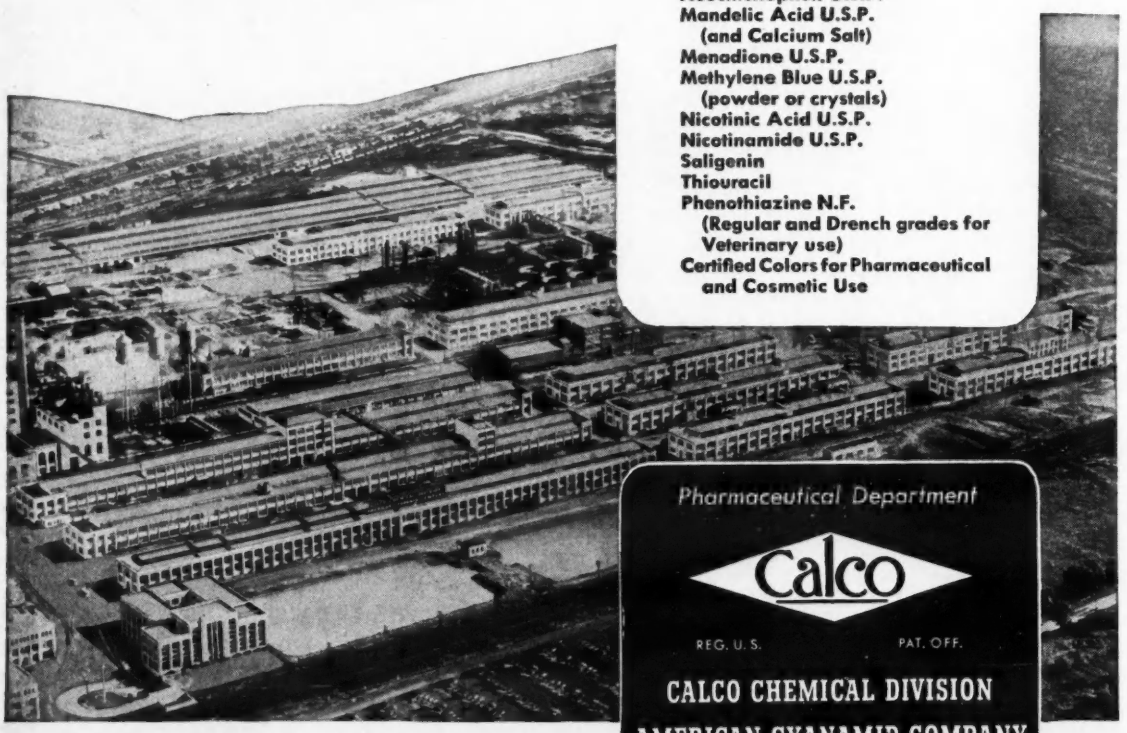
★ *Technical bulletins available*

★ *A technical service ready to assist in application problems.*

★ ★ ★

CALCO'S Bulk Pharmaceuticals

SULFADIAZINE U.S.P.
(powder or micro crystal)
. . . the Sulfa drug of choice
Sodium Sulfadiazine U.S.P.
Sulfamerazine
Sodium Sulfamerazine
Sulfanilamide U.S.P.
(powder, crystal and micro crystal)
Sulfathiazole U.S.P.
(powder, crystal and micro crystal)
Sodium Sulfathiazole U.S.P.
Sulfapyridine U.S.P.
Sodium Sulfapyridine
Aminoacetic Acid U.S.P.
Calcium Pantothenate (Dextro)
Choline Chloride
Choline Dihydrogen Citrate
Cinchophen N.F.
(and Sodium Salt)
Neocinchophen U.S.P.
Mandelic Acid U.S.P.
(and Calcium Salt)
Menadione U.S.P.
Methylene Blue U.S.P.
(powder or crystals)
Nicotinic Acid U.S.P.
Nicotinamide U.S.P.
Saligenin
Thiouracil
Phenothiazine N.F.
(Regular and Drench grades for Veterinary use)
Certified Colors for Pharmaceutical and Cosmetic Use



Pharmaceutical Department
Calco
REG. U. S. PAT. OFF.
CALCO CHEMICAL DIVISION
AMERICAN CYANAMID COMPANY
Bound Brook, New Jersey

Represented in Canada by Calco Chemical Division
North American Cyanamid, Limited
P. O. Box 10, St. Lambert, Montreal 23, P. Q.
Royal Bank Bldg., Toronto 1, Ontario

Camphor, natural	lb.	No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works	lb.	.54 - —
10 bbls. (1,500 lbs.)	lb.	.56½- —
5 to 9 bbls.	lb.	.57 - —
1 to 4 bbls.	lb.	.58 - —
smaller lots	lb.	.60 - .67
USP, gran., powd., bbls., 2,000-lb. lots	lb.	.61 - —
1,000-lb. lots	lb.	.82 - —
smaller lots	lb.	.63 - —
tablets, 2,000-lb. lots	lb.	.94 - —
1,000-lb. lots	lb.	.95 - —
smaller lots	lb.	.96 - —
Canada balsam (see Fir balsam).		
Cantharides, Russian, bgs.	lb.	8.00 Nom.
Chinese, cs.	lb.	5.85 - 6.00
powd., bxs.	lb.	6.25 - 6.30
Capsicum (see Pepper, red).		
Capsicum oleoresin, USP VII, cns.	lb.	4.50 - 4.65
Caramel coloring, bbls.	gal.	.70 - 1.10
Caraway seed, California, Dutch type	lb.	.25½- .26
Caraway seed, Danish, bgs.	lb.	.26 - .26½
Dutch, bgs.	lb.	.25½- .26½
futures, bgs.	lb.	.26 - .26½
Roumanian, bgs.	lb.	.22 - —
Spanish, dewhiskered, bgs.	lb.	No stocks
Swedish, bgs.	lb.	.23½- .24
Syrian, dewhiskered, bgs.	lb.	No stocks
Carbazole, 95%, dms., ton lots, works	lb.	.61 - —
smaller lots, works	lb.	.91 - —
85%, dms., ton lots, works	lb.	.75 - —
smaller lots, works	lb.	.85 - —
Carbinol, butyl, norm. dms., l.c.l., works	lb.	.37 - —
secondary, dms., l.c.l., works	lb.	.09 - —
Isobutyl, dms., c.l., works	lb.	.23½- —
l.c.l., works	lb.	.25½- —
tanks, works	lb.	.21½- —
Methylisobutyl, dms., c.l., nearest delivery point buyer's works	lb.	.11¾- —
l.c.l., same basis	lb.	.12½- —
tanks, same basis	lb.	.10¾- —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss R., N. of Ohio R.	lb.	.05 - —
l.c.l., same basis	lb.	.05¾- —
5-gal. dms., c.l., same basis	lb.	.07 - .07¼
l.c.l., same basis	lb.	.08 - .08¼
Dioxide, cyls.	lb.	.06 - .08
Tetrachloride, c.p., dms., c.l.,	gal.	.96 - —
l.c.l.	gal.	1.04 - —
tech., Zone 1, 53½-gal. dms., c.l., frt. alld.	gal.	.73 - —
l.c.l., frt. alld.	gal.	.80 - —
5 or 10-gal. dms., c.l., frt. alld.	gal.	1.10 - —
l.c.l., frt. alld.	gal.	1.20 - —
Zone 2, 53½-gal. dms., c.l., frt. alld.	gal.	.80 - —
l.c.l., frt. alld.	gal.	.87 - —
5 or 10-gal. dms., c.l., frt. alld.	gal.	1.04 - —
l.c.l., frt. alld.	gal.	1.14 - —
Zone 3, 53½-gal. dms., c.l., frt. alld.	gal.	.90 - —
l.c.l., frt. alld.	gal.	.98 - —
5 or 10-gal. dms., c.l., frt. alld.	gal.	1.13 - —
l.c.l., frt. alld.	gal.	1.23 - —
Zone 4, 53½-gal. dms., c.l.,	gal.	.79 - —
l.c.l., frt. alld.	gal.	.86 - —
5 or 10-gal. dms., c.l.	gal.	1.08 - —
l.c.l.	gal.	1.18 - —
USP, cbys.	lb.	.17 .19

Carbon tetrachloride prices are frt. alld with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal., Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.

Cardamom, bleached, bold, cs.,	lb.	1.75 - 1.80
medium, cs.	lb.	1.55 - 1.60
decorticated, Guatemala, cs.	lb.	1.25 - 1.40
India, cs.	lb.	1.35 - 1.40
green, Alleppey, bgs.	lb.	1.05 - 1.10
Carotene, cryst., 1,250,000 A units per gm., tins, works, 1,000,000 units		.50 - —
research grade (alpha, 10%; beta, 90%), amps. 100 grams, divd.	gram	2.85 - —
50 grams, divd.	gram	2.90 - —
in vegetable oil, 250,000 USP units per gm., bots., works	lb.	27.50 - —
50,000 USP units per gm., bots., works	lb.	5.43 - —
dms., works	lb.	7.06 - —
8,600 A units per gm., tins, works, 1,000,000 units		.55 - —
dms., works, 1,000,000 units		.50 - —
3,300 USP units per gm., dms., works	lb.	.96 - .71
Carvol, bots.	lb.	14.75 -22.50
Cascara sagrada bark, bulk	lb.	.40 - .43
Case-hardening mixture, 50% gran., dms., l.c.l.	lb.	.09¾- —
slabs, dms., l.c.l.	lb.	.08¾- —
Casein, dom., acid-precip., bgs., 10,000 lbs. or more, ship't point	lb.	No prices
2,000 lbs. or more, but under 10,000 lbs., same basis	lb.	No prices
less than 2,000 lbs., same basis	lb.	No prices
rennet-precip., 10,000 lbs. or more, same basis	lb.	No prices
2,000 lbs. or more, but under 10,000 lbs., same	lb.	No prices
less than 2,000 lbs.	lb.	No prices
imp., acid-precip., ground, bgs., 100 bgs. or more	lb.	No prices
rennet-precip., unground, 100 bgs. or more	lb.	No prices
Cassia, Batavia No. 1, Thinquill bls.	lb.	.60 Nom.
No. 1, regular, bls.	lb.	Nominal
shortstick, bls.	lb.	.50 Nom.
broken, bls.	lb.	.48 Nom.
China buds, bgs.	lb.	.36 - .37
rolls, selected, cs.	lb.	.14 - .14½
extra select, broken, bls.	lb.	.12½- .13
Kwangsi, broken, bls.	lb.	.15½- .16
Saigon, all medium	lb.	.39 - .40
4-10-4, bls.	lb.	.38 - .39
Cassia fistula, bskts.	lb.	.26 - .28
Castor bean, bgs., Brazilian ports,	long ton.	250.00 -255.00
Oil (see Oil, castor).		
Pomace, bgs., c.l., works	ton.	35.00 -37.50
Castoreum, nat., cns.	lb.	2.00 -13.00
synthetic, cns.	lb.	10.00 -21.00

Catechol, CP, cryst., works, 25-lb. dms., frt. alld.	lb.	1.90 - —
resublimed, works, frt. alld., dms.	lb.	2.25 - —
Catnep, bls.	lb.	.65 - .70
Celery seed, French, bgs.	lb.	.50 Nom.
Indian, bgs.	lb.	.25 - .25½
Celluloid scrap (see Pyroxylin scrap).		
Cellulose acetate, flake, ctns., works, frt., alld. on 100 lbs. or more	lb.	.36 - —
granules, ctns., same basis	lb.	.42 - —
Acetate-butyrate, flake, high (36.5%) butyryl content, 50-lb. ctns., 5,000 lbs. and up, frt. alld.	lb.	.51 - —
1,000-4,900 lbs frt. alld.	lb.	.52 - —
50-lb. ctns., 100-900 lbs., frt. alld.	lb.	.53 - —
smaller pkgs., works	lb.	.54 - —
medium (15.5 or 17.0%), 50-lb. ctns., 5,000 lbs. and up, frt. alld.	lb.	.49 - —
1,000-4,900 lbs., frt. alld.	lb.	.50 - —
100-900 lbs., frt. alld.	lb.	.51 - —
smaller pkgs., works	lb.	.52 - —
Granules are 6c. per lb. higher, all quantities.		
Acetate-propionate, flake, high (31.5% propionyl content), 50-lb. ctns., 5,000 lbs. and up, frt. alld.	lb.	.45 - —
1,000-4,900 lbs., frt. alld.	lb.	.46 - —
100-900 lbs., frt. alld.	lb.	.47 - —
smaller pkgs., works	lb.	.48 - —
Granules are 5c. per lb. higher all quantities.		
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more	lb.	.40 - —

Cerium hydrate, dms., works	lb.	1.00 - —
Oxalate, NF, bbls., kgs., works	lb.	.50 - .89
Oxide, optical grade, kgs., 100-lb. lots, works	lb.	1.75 - —
bgs., smaller lots, works	lb.	2.25 - —
Chalk, precipitated, cosmetic, dentifrice, and drug, bgs., c.l., works	lb.	.02¾- —
paint and other industries, bgs., c.l., works	ton.	40.00 - —
papermakers, bgs., c.l., works	ton.	32.50 -40.00
rubbermakers, bgs., c.l., works	ton.	30.00 - —
Chamomile, Hungarian, cs., futures	lb.	.70 - .75
Roman, bls., futures	lb.	1.55 - 1.60
Charcoal, hardwood, lump, bulk, c.l., works	ton.	42.50 - —
bur, bgs., extra, returnable, c.l., works	ton.	45.50 - —
briquets, bulk, c.l., works	ton.	61.70 - —
bgs., c.l., works	ton.	66.70 - —
granular, all grades, bgs., works	ton.	58.50 -64.50
screenings, bgs., works	ton.	33.50 - —
Pinewood,[7] lump, bgs., c.l., Southern shipping point	ton.	38.00 —
granular, powd., bgs., c.l., works, South.	ton.	40.00 - —
l.c.l., works	ton.	50.00 -60.00
Willow, powd., bbls.	lb.	.06 - .07
Chestnut extract, standard 25% tannin, bbls., c.l., works,	100 lbs.	3.62 - 4.60
l.c.l., works	100 lbs.	4.07 - 4.65
tanks, works	100 lbs.	3.22 - 4.00
powdered, 65% tannin, bags extra, c.l., works	100 lbs.	9.62 - 9.96
l.c.l., works	100 lbs.	9.77 -10.71

China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works	ton.	12.00 - —
l.c.l., works	ton.	16.00 - —
bulk, c.l., works	ton.	9.00 - —
200 mesh, bgs., c.l., works	ton.	12.00 - —
l.c.l., works	ton.	9.50 -15.50
wet-grd., silk-bolt, 90½%, 325 mesh, bulk, c.l., works	ton.	9.50 - —
paper bgs., c.l., works	ton.	12.50 - —
imported, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila.	ton.	20.00 -22.00
powd., cks., l.c.l., ex whse.	ton.	45.00 - —
Chloral hydrate, jars	lb.	.93 - .98
dms.	lb.	.90 - .95
Chlorinated rubber, standard, ctns., 100 lbs. up, works	lb.	.32 - —
smaller lots, works	lb.	.35 - —
1-lb. bots., ex whse.	lb.	1.25 - —
Chlorine, liquid, cyls., c.l.	lb.	.05½- —
contracts	lb.	.05¾- —
l.c.l.	lb.	.07½- —
tanks, single units, works, frt. equald.	100 lbs.	2.00 - —
works, frt. equald.	100 lbs.	2.30 - —
2, wks., frt. equald.	100 lbs.	2.90 - —
1, wks., frt. equald.	100 lbs.	3.50 - —
Chloroform, tech., dms.	lb.	.20 - .22
USP, dms.	lb.	.24 - .28
Chloropicrin, com'l, 100 lb. cyl., 100-lb. cyls., same basis	lb.	.32 - —
25-lb. cyls., ex whse.	lb.	1.00 - —
1-lb. bots., ex whse.	lb.	1.25 - —
Choline chloride, 70% dms., works	lb.	3.00 - 3.10
feed grade, 70% dms., works	lb.	2.00 - —
Dihydrogen citrate, 50% dms., works	lb.	3.00 - 3.10

Spot Deliveries

RESORCINOL U.S.P.

Recrystallized

BENZYL CINNAMATE
CINNAMIC ACID
PHOSPHORIC ACID 75% Edible Food Grade
PHOSPHORIC ACID U.S.P. Syrupy
MAGNESIUM METAL POWDER High Purity
HEAVY CALCINED MAGNESIA White
BORIC ACID
PHOSPHORUS Red Amorphous
SODIUM PERBORATE U.S.P.
CHROMIC ACID
TARTARIC ACID, U.S.P.

—OTHER SPECIAL PRODUCTS—

Distributors for THE RUFERT CHEMICAL COMPANY

NICKEL FORMATE • Also NICKEL CATALYST • NICKEL CARBONATE
NICKEL OXIDE, etc.

GOLWYNNE
CHEMICALS CORPORATION

420 LEXINGTON AVENUE • NEW YORK 17, N. Y. • PHONE LE 2-9740

Chrome acetate, powd., 79% Cr., bbls., works..lb. .33 - .34
ton lots, works..lb. .30 - .32
solut., 7½%, bbls., cs.....lb. .09½- —
8½%, bbls., cs.....lb. .09½- —
Fluoride, bbls., works.....lb. .34 - .37
Cake, bulk, c.l., works.....ton.16.00 - —
Oxide (see Green, chrome oxide).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots.....lb. 6.65 - 6.80
Cinchona bark, red, quill, USP, 10 in., can..lb. 1.30 Nom.
Cinchonidine, small, cryst., cns., 100 ozs..oz. No prices
Cinchonine, small, cryst., cns., 100 ozs..oz. No prices
large, cryst., cns., 100 ozs..oz. No prices
Sulphate, NF, cns., 100 ozs..oz. No prices
Cinchopen, NF, heavy, dms., works..lb. 2.70 - 2.80
standard, dms., works.....lb. 2.50 - 2.60
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms..lb. .82 - 1.35
Cinnamon, Ceylon, No. 2, bls., futures..lb. 1.25 - 1.30
Citral, bots., cns.....lb. 7.25 - 9.65
Citronellal, bots., dms.....lb. No prices
Citronellol, bots., dms.....lb. 5.70 -12.50
Clove, Madagascar, bls.....lb. .13¼- .15¾
futures, bls.....lb. .13¼- .13¾
Zanzibar, bls.....lb. .15½- .16
futures, bls.....lb. .12¾- .13¼
Clover tops, red, dom., bgs....lb. .70 - .75
imported, bgs.....lb. No stocks
Coaltar, coal-gas, crude, 50 gal., bbls., c.l., works..bbl. 8.50 - —
l.c.l., works.....bbl. 9.00 - —
tanks, works.....gal. .08 - .08½
refd., 50-gal., bbls., c.l., works, bbl. 9.00 - —
l.c.l., works.....bbl. 9.50 - —
tanks, works.....gal. .09 - .09½
water-gas, crude, 55-gal. dms., c.l., works..bbl. 8.50 - —
l.c.l., works.....bbl. 9.00 - —
refd., 55-gal. dms., c.l., works, dm. 9.00 - —
l.c.l., works.....dm. 9.50 - —
Cobalt acetate, bbls., kgs., dlvd., lb. .33¾- —
feed grade, 23¼% Co, kgs..lb. 1.25 - —
Carbonate, powd., bgs., works, lb. 1.55 - —
feed grade, 49¼% Co, kgs..lb. 1.85 - —
Chloride, kgs., works.....lb. .57½- —
feed grade, 24.5% Co, kgs..lb. 1.35 - —
Hydrate, bbls.....lb. 2.04 - —
feed grade, 62% Co, kgs....lb. 2.25 - —
Linoleate, paste, 6%, dms...lb. .60 - —
solid, 8½%, dms.....lb. .67 - —
Nitrate, feed grade, 20.4% Co, kgs..lb. 1.25 - —
Oleate, bbls.....lb. .44 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Phosphate, feed grade, 34% Co, kgs..lb. 1.75 - —
Resinate, precip., 7.5% Co, 100-lb. dms..lb. .35½- —
Soyate, 3%-3.5% Co, 50-gal. dms..lb. .42 - .44
Sulphate,[6] dms.....lb. .65 - —
feed grade, 21% Co, kgs....lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland or New York.
Cobalt-ammonium sulphate, 14% Co, kgs..lb. .75 - —
Cocaine hydrochloride, 100-oz. lots, cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .53 - .55
silver, Teneriffe, bgs.....lb. .54 - .56
Cocoa butter, bulk, ship. pt...lb. .38 - —
Cocillana bark, bgs.....lb. .53 - .54
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz.10.50 - —
Phosphate, cns., 100 ozs....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .24 - .25
blue, bls.....lb. .24 - .25
Colchinine, bots., cns.....oz. No stocks
Colchicum seed.....lb. No stocks
Collodion, USP, dms.....lb. .24 - —
Flexible, USP, dms.....lb. .25½- —
Colocynth pulp, bls.....lb. .52 - .58
Colombo root, bls.....lb. .14 - .15
Coltsfoot leaves, bgs.....lb. .57 - .60
Condurango bark, bgs., futures, lb. .28 - .29
Copaiba balsam, Para, cns....lb. No stocks
S. A., USP, cns.....lb. 1.45 - 1.50
Copper acetate, cupric, bbls., works..lb. .25¾- —
smaller containers, wks..lb. .27 - —
Carbonate, 52-54%, bbls.....lb. .22 - .24
Chloride, anhyd., bbls.....lb. .25½- —
crystals, bbls.....lb. .17 - —
Cyanide, tech., bols.....lb. .54 - .58
Hydrate, dms.....lb. .24½- —
Metal, electrolytic.....lb. .19½- —
Naphthenate, 8% Cu, 50-gal. dms..lb. .19 - —
Nitrate, tech., cryst., bbls., wks..lb. .19½- .20½
Oleate, precip., bbls.....lb. .23½- .25½
Oxide, black, bbls., works...lb. .25 - —
red, com'l, bbls., works....lb. .26 - —
Oxychloride-sulphate,[6] bgs...lb. .17 - .20
bgs...lb. .17 - .20
Resinate, precip., 8.5% Cu, 125-lb. dms..lb. .18½- —
Stearate, bgs., works.....lb. .35½- —
Sulphate, 99%, cryst., bgs., c.l., works..100 lbs. 7.10 - —
l.c.l., 700 to 30,000 lbs., 100 lbs. 7.25 - —
monohydrated, dms., c.l., dlvd. 100 lbs.12.10 - —
l.c.l., dlvd.....100 lbs.12.95 - —
tribasic, bgs., works, c.l...lb. .20¼- .21½
l.c.l., same basis.....lb. .21½- .23
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
l.c.l., works.....100 lbs. 1.55 - 2.00
bbls., c.l., works.....ton.20.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra,[7] c.i.f. Pacific ports...ton.180.00 -185.00
c.i.f. Atlantic or Gulf ports.. ton.190.00 -195.00
Coriander seed, Argentine, bgs., lb. .07 - .07½
Indian, bgs.....lb. No stocks
Italian, bgs.....lb. .06¾- .07
Morocco, bgs.....lb. .10 - .10½
Corn silk, bls.....lb. .70 - .71
Corn sugar, tanners, chipped, bgs., c.l., 60,000 lbs. min. 100 lbs. 4.37 - —
bbls., c.l., same basis..... 100 lbs. 4.41 - —
Syrup, 42°, bbls., c.l....100 lbs. 4.72 - —
l.c.l.....100 lbs. 4.87 - —
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.07 - —
gran., powd., dms., 50 lbs. or more..lb. 1.92 - —
Cottonroot bark, bls.....lb. .40 - .45
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd..unit-ton. 1.25 - —
Meal, 41% protein, bulk, mills, c.l..ton.80.00 -85.00
Coumarin, cns., 5 lbs. or more, lb. 2.75 - 3.25
smaller lots.....lb. 2.90 - 3.30
Cramp bark, NF, bls.....lb. .80 - .90
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .45½- —
smaller lots, bbls., kgs., lb. .46 -.46½

Creosote carbonate, bots., cbys., lb. 2.10 - 2.30
Coaltar (see Cresol)
Oil, coaltar, crude, tanks works..gal. .10½- —
refined, dms., c.l., works, gal. .26 - .26½
l.c.l., same basis....gal. .28 - .31
tanks, same basis....gal. .19 - —
solution, tanks, works....gal. .15 - —
Wood beech, bots., cbys.....lb. .85 - 1.04
Hardwood, N.F., bots., cbys.lb. .60 - .77
Pine, dms.....gal. .31 - .32
Cresol, special resin grades, dms., c.l., works, frt. equald. lb. .12½- .13¾
l.c.l., same basis.....lb. .13 - .13½
tanks, same basis.....lb. .11¾- .12
USP, dms., c.l., same basis..lb. .13¾- —
l.c.l., same basis.....lb. .14¼- —
tanks, same basis.....lb. .13 - —
Croton aldehyde, 91-93%, 55 and 110 gal. dms., l.c.l., works lb. .13½- —
5 and 10-gal. dms., l.c.l. works..lb. .17 - —
Cryolite, nat.,[4] bgs., bbls., c.l., works..100 lbs. 9.50 - 9.75
bbls., l.c.l., works....100 lbs.10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R..lb. .08½- —
l.c.l., works.....lb. .09½- —
Cube root, 5% rotenone, bbls., works..lb. .45 - —
4% rotenone, bbls., works..lb. .36 - —
Cubeb berries, XX, bgs.....lb. 1.25 - 1.35
powd., cs.....lb. 1.45 - 1.60
Culvers root, bls.....lb. .40 - .45
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs., futures.....lb. .44 - .45
Morocco, bgs.....lb. No stocks
Persian, bgs.....lb. .43 - .44
Syrian, bgs.....lb. .40 - .41
Cutch, bgs.....lb. No stocks
Cyanamide[6] fertilizer mixing grades, guaranteed 20.6% N., gran., bulk, Niagara Falls, Ont., contracts, bulk, unit-ton. 1.85 - —
21% N., pulv., bgs., same basis..unit-ton. 1.75 - —
Cyclohexane, tech., dms., c.l., works..lb. .10½- —
l.c.l. works.....lb. .11 - —
tanks, works.....lb. .09½- —
Cyclohexanol, 99%-100%, dms., works..lb. .21 - .22
Cyclohexanone, 97¼% min., dms., c.l., works..lb. .20 - .22
tech., dms., c.l., works....lb. .20 - —
l.c.l., works.....lb. .20¼- —
tanks, works.....lb. .19 - —
Cyclopropane, USP, cyls. dlvd., gal. .27 - —

D

Damiana leaves, bls.....lb. .35 - .40
Dandelion root, bls.....lb. .75 - .80
DDT, fiber, dms., c.l., works..lb. .45 - —
ton lots, works.....lb. .50 - —
tins, smaller lots, works...lb. .53 - .60
Decanol, normal, tech., dms., dlvd..lb. .33 - —
Deertongue, bls.....lb. .34 - .35
Defluorinated phosphate, paper bgs., works..ton.35.75 - —
Degras, common, bbls.....lb. .10 - .12
neutral, less 2% ffa, bbls....lb. .22 - .24
over 2% ffa, bbls.....lb. .21 - .23
Derris root (see Cube root).
Dextrin, British gum, bgs., c.l. 100 lbs. 5.55 - —
l.c.l.....100 lbs. 5.70 - —
Chicago, bgs., c.l....100 lbs. 5.15 - —
Corn, canary, bgs., c.l..100 lbs. 5.29 - —
l.c.l.....100 lbs. 5.44 - —
Chicago, bgs., c.l..100 lbs. 4.89 - —
dark, bgs., c.l.....100 lbs. 5.39 - —
l.c.l.....100 lbs. 5.54 - —
Chicago, bgs., c.l..100 lbs. 4.99 - —
white, bgs., c.l.....100 lbs. 5.14 - —
l.c.l.....100 lbs. 5.29 - —
Chicago, bgs., c.l..100 lbs. 4.74 - —
Dextrin prices above are for paper bags; cotton bags quoted 20c. higher.
Potato, dom., bgs., c.l.....lb. .10 - .10¼
l.c.l.....lb. .10½- .11
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grades, bots...lb. 5.20 - 5.50
laboratory grade, bots..... 100 grams. 4.50 - —
tech., bots., works.....lb. 3.00 - —
Diamyl ether (see Amyl ether).
Phthalate, dms., tanks.....lb. No prices
Dianisidine, dms.....lb. 1.38 - —
Diatomaceous earth, dom., CP, bgs., c.l., Atlantic coast..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
nat., bgs., c.l., Pacific coast. ton.22.00 -26.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., Atlantic coast..ton.55.00 -60.00
l.c.l., ex whse.....ton.55.00 -60.00
imported, Algerian, bgs., c.l., Atlantic coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic coast..lb. .06 - —
l.c.l.....lb. .06 - —
Dibutyl phthalate, 5-gal. cns., frt. alld. E. of Rockies..lb. .33½- —
1-gal. cns., same basis....lb. .35½- —
dms., c.l., same basis.....lb. .29 - —
l.c.l., same basis.....lb. .29½- —
tanks, same basis.....lb. .28 - —
Sebacate, dms., c.l., works..lb. .5570- —
l.c.l., works.....lb. .5620- —
tanks, works.....lb. .5470- —
Tartrate, dms., works, frt. alld. lb. .92 - 1.02
Dibutylamine, dms., c.l., works.. lb. .66 - —
l.c.l., works.....lb. .69 - —
Dichlorodiphenyltrichloroethane (see DDT)
Dichloroethyl ether,[6] purified, dms., c.l., works, frt. equald with So. Charleston..lb. .16 - —
l.c.l., same basis.....lb. .17 - —
tanks, same basis.....lb. .15 - —
Diethanolamine,[6] dms., c.l., frt. alld. in E..lb. .23½- —
l.c.l., same basis.....lb. .24½- —
tanks, same basis.....lb. .22½- —
Diethyl carbonate, dms., l.c.l..lb. .40 - —
Oxalate, dms., c.l.....lb. .32 - —
l.c.l.....lb. .33½- —
tanks.....lb. .32 - —
Phthalate,[6] dms., c.l., dlvd..lb. .28 - .32
tanks, dlvd.....lb. .27 - .27
Sulphate, dms., c.l., works..lb. .14 - —
l.c.l., works.....lb. .15 - —
tanks, works.....lb. .13 - —
Diethylamine, dms., c.l., works..lb. .54 - —
l.c.l., works.....lb. .56 - —
tanks, works.....lb. .50 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss. R..lb. .75 - —
Diethylaniline, dms.....lb. .48 - —
Diethyleneglycol, dms., c.l., frt. alld. to W. R.....lb. .14 - —
l.c.l., same basis.....lb. .15 - —
tanks, same basis.....lb. .13 - —
Diethyleneglycol monobutylether, dms., c.l., works..lb. .22 - —
l.c.l., works.....lb. .23 - —
tanks, works.....lb. .21 - —
Monoethylether, dms., c.l., wks. lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Digitalis leaves, dms.....lb. 1.05 - 1.15
Diglycol laurate, dms.....lb. .31 - .32
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .32 - —
Dihydroxydichlorodiphenylmethane, dms., works of N.Y. met..lb. .85 - 1.00
smaller containers, same basis lb. 1.05 - 1.40
Di-isobutyl ketone, dms., works. lb. .19 - —
Dillseed, decorticated, bgs....lb. .14 - .14½
dewhiskered, bgs.....lb. .11½- .12
Dimethyl phathalate, dms., c.l., dlvd..lb. .20 - —
l.c.l., dlvd.....lb. .20½- —
tanks, dlvd.....lb. .19 - —
Dimethylene, anhyd., cyl., frt. alld. E. of Miss., 100% basis. lb. .40 - —
solution, dms., works, frt. alld. E. of Miss., 100% basis..lb. .37 - .47¼
tanks, same basis.....lb. .38 - —
Dimethylanilin, dms., c.l.....lb. .20 - —
l.c.l. .....lb. .22 - —
Dinitrobenzene, bbls.....lb. .16 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, rfd., dms.....lb. .18 - —
oily, dms.....lb. .08 - —
Diorthotolylguanidin, dms., ton lots, dlvd..lb. .44 - —
smaller lots, dlvd.....lb. .46 - .47
Dioxan, dms., c.l., frt. alld..lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, destructive dist., dms., incl., wks., South, c.l..gal. .60 - —
tanks, wks., South.....gal. .50 - —
steam dist., dms.....gal. .50 - —
tanks, dlvd. E.....gal. .47 - —
Diphenyl,[6] bbls., c.l., works...lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .50 - .61
dms.....lb. .45 - .50
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., tons..lb. .25 - —
smaller lots.....lb. .26 - .27
Divi-divi, 35% tannin, c.l., U.S. ports, ex dock..ton.65.00 -67.00
Doggrass root, dom., cut, bls.lb. .30 - .35
imp., NF, cut, bls.....lb. .45 - .50
Dogwood, Jamaica, bark, bls..lb. .12 - .14
Dover's powder, USP, cns....lb. No stocks
Dragon's blood, drops, cs.....lb. .55 - .60
reeds, cs.....lb. No stocks
Dyes, coaltar (certified colors for foods, drugs and cosmetics), 5-lb. lots—
Blue, FD&C, No. 1, cns....lb.13.00 - —
Green, FD&C, No. 1 cns....lb.13.00 - —
No. 2, cns.....lb.17.00 - —
No. 3, cns.....lb.27.00 - —
Orange, FD&C, No. 1, cns...lb. 2.80 - —
No. 2, cns.....lb. 3.55 - —
Red, FD&C, No. 1, cns.....lb. 5.75 - —
No. 2, cns.....lb. 3.05 - —
No. 3, cns.....lb.17.00 - —
No. 4, cns.....lb. 5.50 - —
No. 32, cns.....lb. 4.05 - —
Yellow, FD&C, No. 1 cns..lb. 8.00 - —
No. 3, cns.....lb. 2.55 - —
No. 4, cns.....lb. 2.55 - —
No. 5, cns.....lb. 3.05 - —
No. 6, cns.....lb. 3.05 - —
Dyes, coaltar (certified colors for drugs and cosmetics), 1-lb. lots—
Black, D&C, No. 1, cns....lb. 3.35 - —
Blue, D&C, No. 4, cns.....lb.12.35 - —
Brown, D&C, No. 1, cns....lb.12.35 - —
Green, D&C, No. 5, cns....lb.12.35 - —
No. 6, cns.....lb.12.35 - —
Orange, D&C, No. 3, cns....lb. 3.35 - —
No. 4, cns.....lb.15.35 - —
No. 10, cns.....lb.15.35 - —
Red, D&C, No. 8, cns.....lb. 3.35 - —
No. 17, cns.....lb. 3.35 - —
No. 18, cns.....lb.15.35 - —
Yellow, D&C, No. 7, cns....lb. 3.35 - —
No. 8, cns.....lb. 3.35 - —
No. 11, cns.....lb.10.35 - —
No. 19, cns.....lb.15.35 - —
No. 22, cns.....lb. 3.35 - —
No. 33, cns.....lb.13.35 - —
No. 37, cns.....lb.12.35 - —
Dyes, coaltar (certified colors for external use drugs and cosmetics), 1-lb. lots—
Blue, Ext. D&C, No. 1, cns..lb.12.35 - —
Green, Ext., D&C, No. 1, cns. lb. .12.35 - —
Red, Ext. D&C, No. 1, cns...lb.10.35 - —
No. 3, cns.....lb.21.35 - —
No. 8, cns.....lb. 7.35 - —
No. 10, cns.....lb.12.35 - —
No. 13, cns.....lb.12.35 - —
Yellow, Ext. D&C, No. 1, cns., lb. 3.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
86 Chrome yellow, 3G...lb. .95 - .70
40 Chrome yellow R.....lb. .80 - 1.00
53 Victoria violet .....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .56 - .60
180 Fast red 7B.....lb. 1.50 - 1.60
189 Lake red R, paste..lb. .85 - .90
189 Lake red R, powd....lb. 2.00 - 2.10
202 Chrome blue black U.lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
280 Fast cyanin 5R.....lb. .90 - 1.00
290 Chrome black F.....lb. .85 - .88
304 Paper yellow .....lb. .88 - .90
307 Fast cyanin black B.lb. .80 - .85
326 Direct fast scarlet...lb. 2.00 - 2.25
365 Chyrophenin G.....lb. .58 - .70
382 Direct scarlet B.....lb. 1.15 - 1.20
387 Direct violet B.....lb. 1.00 - 1.30
394 Direct violet N.....lb. .80 - .85
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .66 - .75
415 Direct orange B.....lb. .60 - .70
419 Direct fast red F.....lb. .70 - .75
420 Direct brown M.....lb. .55 - .57
446 Benzo purpurin 4B...lb. .65 - .68
405 Benzo purpurin 10B..lb. .40 - .50
502 Direct azorin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF.lb. .55 - 1.00
531 Direct black EW.....lb. .50 - .54
532 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
596 Direct brown 2GO...lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 2.00
812 Primulin .....lb. .70 - .72
814 Direct fast yellow...lb. 2.00 - 2.25
945 Nigrosin (water soluble). lb. .35 - .39
Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
1177 Indigo, 20%, paste....lb. .15 - .16
Benzo fast black L..lb. .90 - 1.00
Sulphur black.....lb. .30 - .35
Sulphur blue.....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .30
Sulphur maroon.....lb. .40 - —
Sulphur tan.....lb. .30 - .35
Sulphur olive.....lb. .25 - .30
Sulphur yellow.....lb. .30 - .35
Zambesi black.....lb. .75 - .80
Dyes, coaltar, for stains, oil-soluble (prices E. in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
865 Nigrosin derivatives..lb. .36 - .44
Blue—
7075 Alizarin astrol base..lb.15.00 - —
1073 Alizarin cyanin, green base..lb. 6.00 - —
Brown—
Brown, oil soluble.....lb. 1.15 - —
Green—
1078 Alizarin cyanin green base..lb. 5.00 - —
Orange—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .70 - —
Red—
75 Sudan II.....lb. 1.05 - —
268 Sudan IV.....lb. .35 - —
680 Oil violet.....lb. .60 - —
749 Rhodamine B (oil pink). lb. 2.50 - —
1060 Anthraquinone, violet base..lb.[6]6.00 - —
Yellow—
16 Amidoazobenzene yellow. lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00
Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
246 Naphthol blue black S.. lb. .50 - —
729 Victoria blue B.....lb. 1.35 - —
861 Indulin .....lb. .97 - —
878 Methylene gray.....lb. 1.50 - —
909 New blue P.....lb. 1.20 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1130 Indigotin IA.....lb. .35 - —
Blue—
714 Patent blue A.....lb. 1.05 - 1.10
Brown—
231 Bismarck brown G...lb. .47 - .52
234 Resorcin brown Y....lb. .95 - —
235 Resorcin dark brown R. lb. .96 - —
632 Bismarck brown R...lb. .47 - .52
793 Phosphin .....lb. 4.65 - —
Green—
5 Naphthol green B.....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .50 - —
924 Methylene green B....lb. 1.35 - —
1078 Alizarin cyanin green..lb. 2.00 - —
Orange—
10 Chrysodin G.....lb. .44 - —
21 Chrysodin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
31 Amidonaphthol red G..lb. .42 - —
37 Amidonaphthol red 6B.lb. .62 - —
151 Orange Y.....lb. .31 - .33
161 Orange R.....lb. .34 - —
Red—
79 Ponceau R.....lb. .45 - —
83 Fast red B.....lb. 1.65 - —
178 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - —
183 Crocein scarlet 8BX....lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant grocein M....lb. .65 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 2.50 - —
752 Rhodamine 6B.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet—
680 Methyl violet B.....lb. .70 - .75
681 Crystal violet B.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .90 - —
Yellow—
10 Naphthol yellow S.....lb. .52 - —
138 Metanil yellow.....lb. .52 - .55
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow....lb. 1.15 - —
640 Tartrasin .....lb. .90 - —
655 Auramine .....lb. 1.27 - —
Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; 25-lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
864 Nigrosin .....lb. .36 - .44
Blue—
880 Indulin .....lb. .60 - .70
Brown—
831 Bismarck brown.....lb. 1.80 - —
Green—
637 Malachite green base..lb. 2.00 - —
Orange—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .96 - —
Red—
677 Fuchsin, magenta, base.. lb. 7.25 - —
749 Rhodamine R.....lb. 4.75 - —
Yellow—
67 Amidoazotoluene yellow— lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS.....lb. 2.00 - —
Violet—
680 Methyl violet base.....lb. .85 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .70 - .75
Egg, albumen (see Albumen).
Yolk, dried, dom., bbls.....lb. 1.15 - 1.22
imported .....lb. No stocks
Elder flowers, bright, bls.....lb. .75 - .80
Elecampane root, bls.....lb. .45 - .50
Elm bark, grinding, bls.....lb. .35 - .36
powd., bbls., bxs.....lb. .55 - .56
select, bndls.....lb. .55 - .56
Emetine hydrochloride, bots...oz.53.50 -54.00
Ephedra, bls.....lb. .28 - .30
Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.20
Hydrochloride, tins.....oz. .90 - 1.45
Sulphate, tins.....oz. .90 - 1.45
100 ozs..oz. .83 - —
synthetic, USP, anhydrous, bots. hydrous, bots., 100 oz..oz. .65 - —
Hydrochloride, tin, 100 ozs.oz. .50 - —
Sulphate, cryst., tins, 100 ozs. oz. .48 - —
Epinephrine, synth., USP, bots.. gram. .70 - .95
Epsom salt, tech., cryst., bgs., c.l..100 lbs. 1.80 - 1.95
l.c.l. .....100 lbs. 2.15 - 2.40
dried, bgs.....lb. .06½- —
l.c.l., bgs.....lb. .04 - .07

MALLINCKRODT
79 Years of Service
FINE CHEMICALS
Mallinckrodt
SINCE 1867
CHEMICAL WORKS
to Chemical Users
Mallinckrodt St., St. Louis 7, Mo. • 72 Gold St., New York 8, N. Y.
CHICAGO • PHILADELPHIA • LOS ANGELES • MONTREAL
UNIFORM • DEPENDABLE • PURITY

Epsom salt, USP, cryst., bgs., l.c.l.	100 lbs.	2.00 - —
l.c.l., 5,000 lbs., 1 with-drawal	100 lbs.	2.25 - —
smaller lots	100 lbs.	2.50 - —
bbls., c.l.	100 lbs.	2.10 - —
l.c.l., 5,000 lbs., 1 with-drawal	100 lbs.	2.35 - —
smaller lots	100 lbs.	2.60 - —
kgs., c.l.	100 lbs.	2.35 - —
l.c.l., 5,000 lbs., 1 with-drawal	100 lbs.	2.60 - —
smaller lots	100 lbs.	2.85 - —

Epsom salt prices freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.

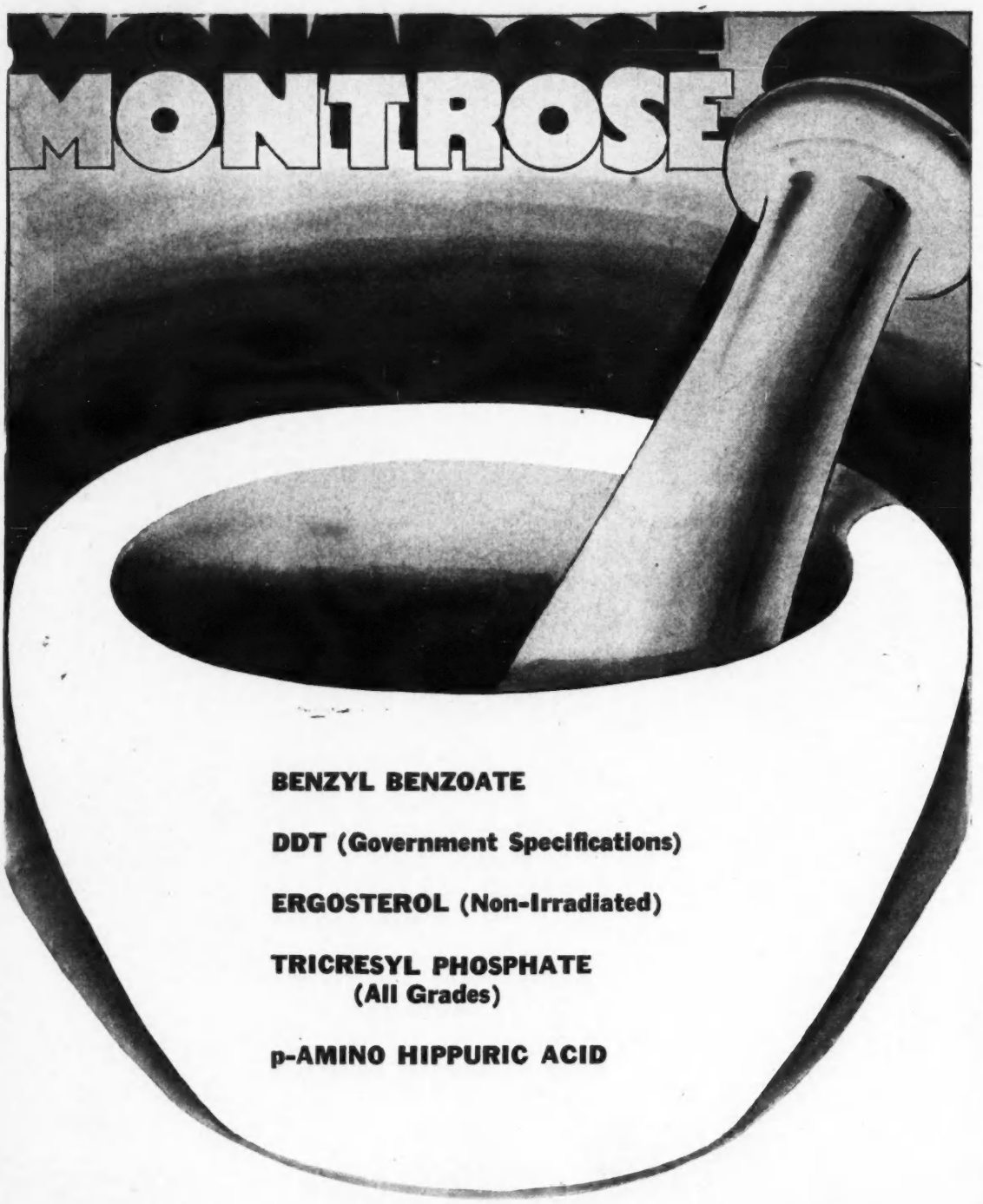
Ergot, USP, cns.	lb.	1.55 - 1.60
Eserine, bots.	oz.	No prices
Sulphate, bots.	oz.	65.00 - —
Ether, acetic (see Ethyl acetate).		
Amyl (see Amyl ether).		
Butyl, l.c.l., dms., dlvd.	lb.	.30 - —
Ethyl (see Ether, sulphuric).		
Nitrous, cons., bots., 100 lbs.	lb.	.98 - 1.10
Sulphuric, cons., dms.	lb.	.11 - .16
USP anesthesia, hospital, 1-lb. cns.	lb.	.60 - .61
Synthetic, dms., c.l., frt. alld.	lb.	.17 - —
l.c.l., same basis	lb.	.18 - —
tanks, same basis	lb.	.16 - —
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld.	lb.	.20 - —
l.c.l., frt. alld.	lb.	.20½- —
tanks, frt. alld.	lb.	.19 - —
98-99%, dms., c.l., frt. alld.	lb.	.20½- —
l.c.l., frt. alld.	lb.	.21 - —
tanks, frt. alld.	lb.	.19½- —
99%, dms., c.l., frt. alld.	lb.	.20¾- —
l.c.l., frt. alld.	lb.	.21¼- —
tanks, frt. alld.	lb.	.19¾- —
N.F., dms.	lb.	.21¾- —
Ethyl acetate, synthetic, 85-90%, dms., c.l., frt. alld.	lb.	.10½- —
l.c.l., frt. alld.	lb.	.11 - —
tanks, frt. alld.	lb.	.09½- —
95-98% dms., c.l., frt. alld.	lb.	.11 - —
l.c.l., frt. alld.	lb.	11½- —
tanks, frt. alld.	lb.	.10 - —
Acetoacetate, dms., c.l., works.	lb.	.50 - —
l.c.l., frt. alld.	lb.	.50½- —
Benzoate, bots.	lb.	.50 - .55
B-ethoxy propionate, dms., works.	lb.	.70 - —
Bromide, tech., dms.	lb.	.50 - .55
Carbamate, dms., dlvd. E...	lb.	.58 - —
Chloride, tech., tanks.	lb.	.13½- —
USP, bbls., cyl.	lb.	.20 - .22
Cinnamate, cns.	lb.	2.65 - 2.85
Formate, dms., Agnue, Calif.	lb.	.28 - .32
Iodide, bots.	lb.	3.50 - 3.60
Lactate, dms., works.	lb.	.88½- —
Myristate, dms., works	lb.	No prices
Oenanthate, dms.	lb.	1.10 - 1.15
Oleate, dms., l.c.l., works.	lb.	.47 - —
Oxalate, dms., frt. alld.	lb.	.33 - —
Silicate, dist. (see Tetraethyl orthosilicate).		
40% available SiO_2, dms., works.	lb.	.30 - —
Ethylcellulose, pkgs., 5,000 lbs. or more, works.	lb.	.50 - —
smaller lots, works.	lb.	.53 - .60
Ethyldiethanolamine, dms., l.c.l., works.	lb.	.80 - —
Ethylene, dichloride, dms., c.l., works, frt. alld. E. of Rockies.	lb.	.0342- —
West of Rockies.	lb.	.0301- —
l.c.l., works, frt. alld. E. of Rockies.	lb.	.0301- —
West of Rockies.	lb.	.0341- —
tanks, frt. alld. E. of Rockies,	lb.	.0742- —
West of Rockies.	lb.	.0792- —
Trichloride (see Trichloroethane).		
Ethyleneglycol, dms., c.l., frt. alld. in E.		.10 - —
l.c.l., same basis	lb.	.11 - —
tanks, same basis	lb.	.09 - —
Monobutylether, dms., c.l., wks.	lb.	.17½- —
l.c.l., works	lb.	.18½- —
tanks, works	lb.	.16½- —
Monoethylether, dms., c.l., works.	lb.	.15½- —
l.c.l., works	lb.	.16½- —
tanks, works	lb.	14½- —
Monoethylether, acetate, dms., c.l., works.	lb.	.18½- —
l.c.l., works	lb.	.14½- —
tanks, works	lb.	.12½- —
Monomethylether, dms., c.l., works.	lb.	.16½- —
l.c.l., works	lb.	.17½- —
tanks, works	lb.	.16½- —
Ethylethanolamine, dms., c.l., wks.	lb.	.57 - —
l.c.l., works	lb.	.60 - —
Ethylmonoethanolamine, l.c.l. dms., works.	lb.	.80 - —
Ethylmorphine, hydrochloride, bots.	oz.	10.50 -10.75
Ethylvanillin, cns., 5 lbs. or more.	lb.	6.75 - —
smaller lots	lb.	6.80 - 6.90
Eucalyptol, cns., dms.	lb.	2.65 - 3.25
Eucalyptus leaves, bls.	lb.	.14 - .15
Eugenol, prime, USP XII	lb.	2.60 - 3.50
Euphorbia, bls.	lb.	.20 - .22

F

Feldspar, enamel, 100 mesh	ton.	17.00 -20.50
bulk, c.l.	ton.	14.00 -17.50
glass, 20 mesh, bgs., works, min. 2 tons.	ton.	12.75 -16.25
bulk, c.l.	ton.	9.75 -12.25
pottery, bgs., l.c.l., works, min. 2 tons.	ton.	20.00 22.00
bulk, c.l., works	ton.	17.00 19.00
Fennel seed, Argentine, bgs., futures.	lb.	.14¾- .15¼
Indian, bgs., afloat	lb.	.26 - .26½
Fenugreek, domestic, futures, bgs., source.	lb.	.09 - .09¾
Indian, bgs.	lb.	.09 - .09½
Morocco, bgs.	lb.	.09½- .10
Ferric sulphate (see Iron sulphate, ferric).		
Film scrap, colored, cs., works.	lb.	.13½- .15
water-white, cs., works	lb.	.14½- .17
Fir balsam, Canada, cns.	gal.	23.00 -24.00
Oregon, bbls.	gal.	2.65 - 2.70
Fishberries, bgs.	lb.	.24 - .25
Fishliver oils (see Oil, fishliver).		
Fishmeal, grd., 60% protein, bgs., E. works.	ton.	135.00 - —
65% protein, bgs., E. works.	ton.	140.00 - —
Fishscrap, dried, 60% protein, bulk, East coast.	ton.	125.00 -130.00
Flake white, bbls.	lb.	.09 - —
kegs	lb.	.11 - —
Fleaseed, black, bgs.	lb.	.55 - .60
Blonde, bgs.	lb.	.31 - .33
Fluorspar, No. 1, ground, 95-99% CaF_2, bulk, c.l., mines, net	ton.	37.00 - —
washed, gravel, 70% or more CaF_2, c.l., bulk, mines.	ton.	33.00 - —
65%, c.l., bulk, mines.	ton.	32.00 - —
60%, c.l., bulk, mines.	ton.	31.00 - —
less than 60%, c.l., bulk, mines.	ton.	30.00 - —
Formaldehyde, bbls., c.l., works.	lb.	.0595- —
l.c.l., works	lb.	.0645- —
dms., extra, c.l., works.	lb.	.0495- —
l.c.l., works	lb.	.0545- —
tanks, works	lb.	.0320- —
tanktrucks, dlvd., N.Y.C.	lb.	.0345- —
Fringetree bark, bls.	lb.	.75 - .76
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines.	ton.	8.50 -15.00
Tex. mines	ton.	12.50 - —
spent, bulk, Bayonne.	ton.	3.00 - —
imp., bgs., c.l.	ton.	30.00 -40.00
Furfural, ref., dms., c.l., works.	lb.	.15½- —
cns., dms., l.c.l., works.	lb.	.15½- .25½
tech., dms., c.l., works.	lb.	.13 - —
l.c.l., cns., dms.	lb.	.15½- .20½
tanks, works	lb.	.09½- —
Fusel oil, dms., c.l.	lb.	.26 - —
l.c.l.	lb.	.26½- —
tanks	lb.	.25 - —
Fustic extract, cryst., No. 1, bbls., l.c.l.	lb.	.38 - —
No. 1A, bbls., l.c.l.	lb.	.37 - —
No. 2, bbls., l.c.l.	lb.	.36 - —
No. 3, bbls., l.c.l.	lb.	.34 - —
liquid, No. 0, bbls., l.c.l.	lb.	.20½- —
No. 1, bbls., l.c.l.	lb.	.19 - —
No. 2, bbls., l.c.l.	lb.	.18 - —
No. 3, bbls., l.c.l.	lb.	.15½- —
solid, No. 1, bxs., l.c.l.	lb.	.22¼- —

G

G salt, bbls.	lb.	.60 - —
Galangal root, bls.	lb.	.26 - .28
Gambier, cube, Singapore, cs.	lb.	No stocks
extract, bbls.	lb.	No stocks
Gammapicoline 95%, dms., c.l., works.	lb.	1.35 - —
Gasoline, at refinery, ex tax Arkansas 73-75 octane, tanks.	gal.	.06½- —
Bayonne, 74 octane, tanks.	gal.	.0780- .09
Gulf Coast, 73-75 octane, tanks.	gal.	.06½- .07¼
Group 3, 73-75 octane, tanks.	gal.	.06¾- .07
Pennsylvania, western, U. S. motor, 74 octane, leaded, tanks.	gal.	.07½- .09¼
natural, 26/70 octane, Group 3 tanks.	gal.	.04 - —
Gelatin, silver label, cns., dlvd.	lb.	.80 - .97
export, cs.	lb.	1.00 - —
Silver label prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.		
Gelsemium root, bls.	lb.	.35 - .40
Gentian root, bls.	lb.	.29 - .30
grd., bbls., bxs.	lb.	.35 - .36
powd., bbls., bxs.	lb.	.34 - .35
Geraniol, 92-96%, cns., dms.	lb.	9.00 -12.00
Geranyl acetate, cns.	lb.	5.02 -13.50
Ginger, African, No. 1, bls.	lb.	.15 - .15½
Calicut, Romeo-type, bgs.	lb.	.16 - .16½
Cochin, bleached, bgs.	lb.	.16½- .17
unbleached, bgs.	lb.	.15¼- .15¾
Jamaica, No. 1, bgs.	lb.	.32 - .32½
No. 2, bgs.	lb.	.16 - .16½
No. 3, bgs.	lb.	.15 - .15½
Rhattoon, bgs.	lb.	.14 - .14½
Glauber's salt, anhyd. (see Soda sulphate).		
cryst., bgs., bbls., works, 100 lbs.		1.05 - 1.45
Glue, bone, calcium type, 24 millipoise, 36 jellygrams, bgs., c.l., East of Midwest.	lb.	.16 - .23
50/56, bgs., c.l., same basis.	lb.	.15½- .22½
58/62, bgs., c.l., same basis.	lb.	.17 - .24
92/106, bgs., c.l., same basis.	lb.	.18½- .25½
Bone glue, l.c.l. prices 1c. higher than c.l.		
Hide, 100-121 (jelly test in grams), bgs., c.l., dlvd.	lb.	.14 - .21½
122-149, bgs., c.l., dlvd.	lb.	.15 - .22½
150-177, bgs., c.l., dlvd.	lb.	.16 - .23½
178-206, bgs., c.l., dlvd.	lb.	.17 - .24½
207-236, bgs., c.l., dlvd.	lb.	.18 - .25½
237-266, bgs., c.l., dlvd.	lb.	.19 - .26½
267-298, bgs., c.l., dlvd.	lb.	.20 - .27½
299-330, bgs. c.l., dlvd.	lb.	.21 - .28½
331-362, bgs., c.l., dlvd.	lb.	.22 - .29½
363-394, bgs., c.l., dlvd.	lb.	.23 - .30½
395-427, bgs., c.l., dlvd.	lb.	.24 - .31½
428-460, bgs., c.l., dlvd.	lb.	.25 - .32½
4461-494, bgs., c.l., dlvd.	lb.	.26 - .33½
496-529, bgs., c.l., dlvd.	lb.	.27 - .34½
Hide glue l.c.l., prices 1c. higher than c.l. bbls., ½c. over bgs		
Glycerin, crude, saponification, 88%, to refiners, tanks.	lb.	.45 - .60
soaplye, 80%, tanks.	lb.	.35 - .50
dynamite, dms., c.l.	lb.	.55¼- .75¾
l.c.l.	lb.	.55¾- .75¾
tanks	lb.	.55 - .75
high gravity, dms., c.l.	lb.	.55¼- .75¼
l.c.l.	lb.	.55¾- .75¾
tanks	lb.	.55 - .75
refined, B.P., 98%, dms., c.l.	lb.	.55¾- .75¾
tanks	lb.	.55½- .75½
USP, 95%, dms., c.l.	lb.	.55¼- .75¼
l.c.l.	lb.	.55¾- .75¾
tanks	lb.	.55 - .75
yellow, distilled, dms., c.l.	lb.	.55 - .75
tanks	lb.	.55 - .75
Glycine, USP (see Acid, aminoacetic).		
Glycol boriborate, dms.	lb.	.22 - —
Stearate, dms.	lb.	.26 - —
Gold chloride, acid-brown, bots.	oz.	20.75 -21.00
acid-yellow, bots.	oz.	18.75 -19.00
Gold-soda chloride photo., bots.	oz.	13.00 - —
USP IX, bots.	oz.	14.50 -14.75



BENZYL BENZOATE

DDT (Government Specifications)

ERGOSTEROL (Non-Irradiated)

TRICRESYL PHOSPHATE
(All Grades)

p-AMINO HIPPURIC ACID

MONTROSE Chemical Company
LISTER AVENUE, NEWARK, NEW JERSEY
SELLING AGENTS R. W. GREEFF & CO., INC. 10 ROCKEFELLER PLAZA, NEW YORK, N. Y.
TRIBUNE TOWER, CHICAGO, ILLINOIS

SEND FOR YOUR COPY OF FIRST FACTS!

FIRST FACTS
PREPARE for a GREAT 1947
CLEAR THE DECKS
Plan for Production PLUS!
PREFABRICATED HOUSES
SEND FOR THE 96 PAGE FMC CATALOGUE
FITZPATRICK MODEL "D" COMMINUTING MACHINES
DRUM DRYERS
VACUUM SHELF DRYERS
FILTER PRESSES
FMC Rotary Hydrine Filter
COLTON SINGLE PUNCH TABLET PRESSES
Stainless Steel Straight Line VACUUM FILLERS
ROTARY FILTERS
VACUUM PANS and STILLS
FLAME THROWER CONVERTED TO INDUSTRIAL USE
DDT
DRAMATIC RESULTS FROM MATERIAL SHORTAGES
FROM SAFETY GLASS TO RAINCOATS
A FLASHLIGHT YOU CAN SEE
OPERATE A DRILL, BUDDY?
MORE POST-WAR MARVELS
LIKE WHITEWALL TIRES?
BAYOU IN YOUR BACK YARD
HERE'S HOW YOU GET FRESH AIR IN THE KITCHEN
CARVE YOUR NAME ON A ROCK
DRUGS FOR PERSONALITY CHANGE
BETTER NOT DO THIS WITH SPINACH
YOU'VE SMOKED IT AND CHEWED IT NOW EAT IT!
BORN ON THE SIDE OF A HILL
THIS SHOULD PLEASE THE MISSUS.
PRETTY HOT DEVELOPMENTS
WHAT DID YOU SAY BUTTER IS MADE OF?
NEW EQUIPMENT DEPARTMENT AT FMC
FISH ARE JUMPING
A CRUSHING BLOW — FOR ICE
BALL and PEBBLE MILLS, TUBE MILLS etc.

Interesting Sidelights on

RECENT DEVELOPMENTS IN BUSINESS
READ THE STORY ON PREFABRICATIONS
IS DDT A BETTER MOUSETRAP?
WHAT HAS BECOME OF THE ORIGINALS FOR WHICH WE NOW HAVE SUBSTITUTES?
WHAT IS ERSATZ ERSATZ?
READ YOUR COPY OF FIRST FACTS AND FIND OUT

FMC **FIRST MACHINERY CORP.**

157 HUDSON ST., NEW YORK 13, N. Y.

INVENTORY and CURRENT STOCK LIST

AUTOCLAVES

1 Vertical 42" x 24'4" - Forge Welded Steel - 600 Lbs. Pressure,
1 Vertical 4' x 7'6" - Forge Welded Steel - 900 Lbs. Pressure.
1 Vulcanizer, 4' x 18' with bolted, hinged cover.
4 Sterilizers or Retorts 6' x 14' - 15 lbs. pressure.
2 Jacketed Autoclaves 3' x 12'; ⅜" shell 100 p. s. i.

COLLOID MILLS

3 Manton Gaulin 8" s.s. Colloid Mills - 10 HP 3600 RPM. AC motor.
1 Eppenbach s.s. Model C Vertical Colloid Mill - 5 HP 3 phase
2 Eppenbach s.s. Model B Vertical Colloid Mill - 1-½ HP AC. motor.
2 U.S. Horizontal Colloid Mills (each two motors) 3 HP and 15 HP
2 Charlotte No. 3 Colloid Mills s.s. and Monel - 3 HP motors.
1 Bartlett & Snow Triple Action Colloid Mill, vertical - 7-½ HP.
1 Charlotte Colloid Mill No. 3 - with motors 3 HP and 7 HP.
1 Premier Colloid Mill type C - 5" rotor - starter - 3 HP.
1 Union Viscolizer (Brass) No. 450 with 10 HP AC motor.
2 New Stainless Chemi-Colloid Mills - 30 HP and 50 HP .
1 Marco Peanut Butter Homegenizer - 7-½ HP.

CONDENSERS

1 Devine Tubular Vacuum Cast iron Surface Condenser - 8" x 57" with receiver 18 x 28.
4 Schutte Koerting Multi-Jet Barometric Condensers - varying capacities.
1 Stokes Tubular Vacuum Cast Iron Surface Condenser 12" x 5' with 60 gal. receiver.
5 Aluminum Condensers - tubular type - 24" x 60".
2 Bethlehem Tubular Condensers 8463 sq. ft. - 6' x 15' having 4500 tubes ⅝" O.D.

CONVEYORS

2 Belt conveyors complete 18" wide - 10' and 15' long. New conveyor built to order.
4 Redlar Conveyor Units capacity 125 tons per hour on Bauxite.

CROCKS

5 Ceramic urn shaped Crocks - 275 gallon size.

CRUSHERS

Jaw Crushers, Roll Crushers, Disc. Crushers, Impact Mill, Hogs etc. state requirements.

CUTTERS

5 Relish Cutters, Chisholm-Ryder, Buffalo, Boss, etc.
2 Ball & Jewell Rotary Cutters No. "O" and No. 2.
2 Buffalo Kraut Cutters No. 9.
Several corn, pea, bean, and food cutters of standard makes state requirements.

DRYERS

5 Buffalo and Devine Vacuum Shelf Dryers - 42" x 42" to 60" x 160".
3 Stokes tray dryers - Steam Operated 34" x 37" x 72" - 16 trays.
3 Electrically Heated 6 Shelf Dryers - 36" x 30" x 42".
1 Huhn Rotary Steam Dryer 3' x 13' - continuous operation.
1 Christie Dryer 70" x 40" long.
7 Rotary Dryers - from 3' x 30' to 6' x 64'.
2 Double Drum Dryers 27 x 63 with accessories.
1 Ruggles Cole Rotary Dryer 8' x 80' with oil burner and stack.
3 Shelf Dryers - (6 shelves) 36" x 42" electrically heated.

EVAPORATORS

1 Swenson Single effect Cast Aluminum Evaporator.
3 Buffalo Triple Effect Evaporators, 600 to 1200 sq. ft.
1 Buffalo Stainless Single Effect Evaporator rapid circulating, type.

EXTRUDERS

4 Perfections No. ½ and 4 Perfection No. 1.
1 Allen 10" Strainer.

FILLERS
FOR DRY POWDER

Stokes, Stokes & Smith, National Pkging - Triangle - Edtbauer, J. H. Day, Howes, Sprout - Waldron etc.

FOR LIQUIDS, SEMI-LIQUID

Fowler S.S. 18 Spout Bleach Filler.
Haller Rotary for Juices - 7, 14, and 18 spout.
FMC Straight Line and Rotary Syphon Fillers.
Pneumatic Scale Samco Jr. and Automatic Vacuum Fillers.
FMC new Stainless Straight Line Vacuum Fillers.
Buffalo and Vol-U-Meter Can Fillers.
Kiefer Visco Fillers.

FILTER PRESSES

1 Shriver 12" sq. Pl. & Frame 8 Chamber aluminum 2 eye corner feed closed delivery.
1 Shriver 12" sq. Pl. & Frame 20 Chamber Press C.I.
3 Wood Pl. & Frame Presses 12", 18" and 24".
4 Cast iron 30" recessed Presses.
15 Sperry 32" Recessed Presses.

KETTLES

Immediate shipment stainless and copper steam jacketed Kettles all sizes.
Steel and iron Kettles, State capacity - pressure.

LABELERS

6 World and Ermold Semi-Aut. Labelers for spot labeling.
4 Burt and Kapp all around labelers for Cans, Glass and etc.
2 Straight line fully aut. labelers, Pneumatic and Weeks-MacDonald.
1 Duplex New Jersey Labelrite.

MILLS

Hammer Mills, Grinders, Granulators, always in stock.
30 Fitzpatrick Stainless Model D Comminuting Machines.
8 Raymond Mills - No. "OO"; No. "0000"; No. 45; No. 1 - others.
2 Jay Bee No. 12 Mills.
5 Mikro Pulverizers, No. 1 to 3.
2 Fuller Mills No. 33; 600 HP.
6 Stedman, Greunder, Williams Hammer Mills.
12 Ointment, Drugs and Paste and color Mills, Day, Hance, Ross Waterville, etc.

ATTRITION MILLS

Bauer, Robinson, Sprout-Waldron, Single and Double Runner.

MILLS (BALL, PEBBLE, ROD, TUBE)

3 Jar Mills - Single Jar 16-½ x 20; Multiple 2 (4 gal.) 3 (2 gal.)
1 Abbe 12 x 20 Pebble Mill.
1 Patterson 6' x 4' Lined Pebble Mill.
1 Porter Jktd. Mill 5' x 5'.
4 Hardinge Mills 2' x 4'6"; 3' x 3'6"; 5' x 22"; others.
6 Tube Mills, 6' x 22', 7' x 24', 3' x 9', etc.
2 Rod Mills 5' x 10', 6' x 14'.

COLLOID MILLS

Always a large stock on hand, Premier, Eppenbach, Chemi-Colloid, U.S., Bartlett-Snow, others.

ROLLER MILLS

J. H. Day 9" x 33", 12" x 30" Lehman 16" x 40" - Three, Four and Five Roll Mills.
Houchin 3 Roll Granite Mills - 12" x 36".

MIXERS (PASTE, PAINT, SEMI-LIQUIDS)

3 Ross and Day 15 gal. Pony Mixers.
10 Paste Mixers 28" x 28" P.D.
15 Lead Mixers, 40 to 60 gal.
Individually and batteries of two on three.

MIXERS (DOUGH AND CAKE)

Horizontal Mixers, 1BBL to 5BBL of standard makes.
Vertical three and four speed Cake Mixers.

MIXERS (JACKETED)

2 Heavy duty 9 gal. Mixers Double arm, double gear.
2 W. & P. 100 gal. Jktd. Mixers - double sigma arms, double geared.
2 Paterson Horizontal Double Ribbon Jktd. Mixers 30" x 40" x 84".
1 Day 30 gal. Stainless Imperial Mixer.

MIXERS FOR MEAT PRODUCTS

3 Hottman No. 3 and 1 Boss No. 4.

MIXERS (DRY POWDERS)

Prompt shipment - all sizes Ribbon type horizontal all steel mixers.

PACKAGING EQUIPMENT

Filler for liquids, paste, powders.
Labelers for all types of containers.
Envelope and bag sealers.
Wrappers, cartoners, conveying lines.

PRESSES

55 Stokes and Colton tableting Presses Single Punch and Rotary.
3 Elmes Hydraulic Presses 10" x 14" with Pump and accumulator.
1 Renneburg 5 ton screw press and dryer - 50 HP motor.
1 Stokes Hydraulic Compression Molding Press - No. 280 B.
2 Southwark Hydraulic Presses 80 ton (20x20) and 100 ton 36 x 36 with heated platen and accumulator.
1 Farrel 130 ton Heated Platen 20" x 20" and 1-150 ton 26" x 26".
2 Dunning & Boschert 1200 ton Curb Presses - 28" ram - 28" stroke - steam platen.
Other presses 400 to 5000 ton Bethlehem, H.P.M., Southwark. Birdsboro and other standard makes.
18 Elmes Compression Molding Presses - 35 ton to 200 ton - 22 x 30 to 30 x 73.

PULPERS

3 Langsenkamp Model A Juice Extractors, bronz contact parts.
2 Langsenkamp Model A and B Junior extractors, S.S. and Nickel Contact parts.
1 Chisholm Ryder Model B Stainless juice extractor.

PUMPS

1 Beach Russ vacuum pump 750 C.P.M. with 40 HP explosion-proof AC motor.
Other vacuum pumps; Nash, Worthington, Stokes, Devine. Dean etc. State specifications required.
Other pumps available, Centrifugal, Rotary, Gear, Screw type etc.

SIFTERS

1 Schutz-O'Neill 3' x 6' - single deck sifter arr. for P.D.
1 Wolfe 20" x 40" sifter 6 separations - 5 HP motor.
1 J. H. Day Ro-Ball sifter 20" x 48" single deck - ½ HP motor.
2 Robinson No. 31 Gyro-Sifters 20" x 69" - 3 deck - P. D.
2 Combs Gyratory sifters 21" and 25".
3 Tyler Hammer Sifters 3' x 6' - 4' x 5'.

STILLS (INCLUDING COLUMNS - VACUUM PANS)

12 Vacuum Stills in copper, aluminum, steel jackered or coil heated.
1 Copper gin still 5' diameter - 300 gal.
1 Buflovac Nitric Still 80 BBL. Cap. 96" x 108" with oil burner.
1 Copper Alcohol Distillation Unit, 36" diameter - 23' high bubble cap sectional type.
1 Steel Alcohol Concentrating Column 62" diameter having 24 sections 14" high cap. 400 gal. 190 proof.
1 Badger Fractionating Column 2'4" - 6 sections - 20" allover height.
1 Vulcan Rectifying Column 24" dia. x 36' high complete with condensers, dephlegmators, and calandria tube section.
3 Copper vac. pans calandria type - 10' and 11' diameters.
1 Steel Water still, 5000 gal. per day 40" x 8' with condenser coils.
1 Copper Vacuum pan 10' Dia. - Calandria type.

TABLET MACHINES

Stokes, Colton, Kux, single punch and Rotary - state specifications required - largest stock in the country.

TANKS (STORAGE - PROCESSING - JKTD ETC.)

Vertical Horizontal, Rectangular Steel, Stainless, copper, Rubber lined lead etc. State specifications.

TUBE FILLING, CLOSING, ETC.

1 Colton No. 6c automatic filler, and closer.
1 Stokes 79-80A Filler, Closer Crimper.

WASHERS

Can washers.
Bottle washers.
Vegetable washers.

MISCELLANEOUS

17 Glass Lined Rectangular Tanks 78" x 132" x 33".
2 Pfaudler 150 gal. Glass lined Jacketed Evaporating Dishes.
1 FUMIGATOR or Pressure TUNNEL 7' x 7' x 50' - with rails, vac. pump etc.
55 Soap Frames - 1500 lb. capacity.

FIRST MACHINERY CORP.
157 HUDSON ST., NEW YORK 13, N. Y.

ADVERTISEMENT — *This entire page is a paid advertisement.*

Goldenseal root, bls.....lb. 8.50 - 8.75
powd., bxs.....lb. 9.00 - 9.25
Gold of pleasure seed, bgs....lb. No stocks
Grains of paradise, bgs.....lb. .48 - .49
Graphite, dom., crystalline, 50% through 50 mesh, graphitic carbon content 65-70%, bgs., whse..lb. .04½- —
70-75%, bgs., same basis. lb. .05 - —
75-80%, same basis.....lb. .05½- —
80-85%, bgs., same basis. lb. .06 - —
85-90%, bgs., same basis. lb. .07 - —
90% and up, same basis. lb. .08 - —
imported, amorphous, powd., dlvd..lb. .04 - .06
crystalline, 85-90%, powd., same basis..lb. .14 - .16
90-92%, powd., same basis.. lb. .16 - .19
97% powd., same basis...lb. .23 - .26
flake, No. 1, 90-95%, 200-lb. crtns, same basis..lb. .21 - .23
No. 2, same basis.....lb. .22 - .24
Grease, choice, loose.....lb. .22 - —
house, loose.....lb. .21½- —
yellow, loose.....lb. .21½- —
white, loose.....lb. .21½- —
Wool (see Adeps lanae and Degras).
Green, brilliant, thioflavin toner, molybdic, kegs., works..lb. 3.26 - —
tungstic, kgs., works.....lb. 3.75 - —
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C. E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .29 - —
6-10%, bbls., same basis. lb. .30 - —
11-15%, bbls., same basis. lb. .31 - —
16-20%, bbls., same basis. lb. .31½- —
21-25%, bbls., same basis. lb. .32½- —
26-30%, bbls., same basis. lb. .33½- —
31-35%, bbls., same basis. lb. .33½- —
36-40%, bbls., same basis. lb. .35½- —
41-45%, bbls., same basis. lb. .37 - —
46-50%, bbls., same basis. lb. .35½- —
50% and over, bbls., same basis..lb. .39½- —
reduced color, 5%, bbls., same basis..lb. .10 - —
6-10%, bbls., same basis.lb. .10½- —
11-13%, bbls., same basis.lb. .11½- —
14-16%, bbls., same basis.lb. .12 - —
17-19%, bbls., same basis.lb. .12½- —
20-21%, bbls., same basis.lb. .12½- —
22-23%, bbls., same basis.lb. .12½- —
24-25%, bbls., same basis.lb. .13 - —
26-27%, bbls., same basis.lb. .13½- —
28-29%, bbls., same basis.lb. .14 - —
30-31%, bbls., same basis.lb. .15 - —
32-33%, bbls., same basis.lb. .16½- —
34-35%, bbls., same basis.lb. .17½- —
36-40%, bbls., same basis.lb. .20 - —
41-45%, bbls., same basis.lb. .22½- —
46-50%, bbls., same basis.lb. .23½- —
51-55%, bbls., same basis.lb. .23½- —
56-60%, bbls., same basis.lb. .24 - —
61-65%, bbls., same basis.lb. .25 - —
66-70%, bbls., same basis.lb. .24½- —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.) Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.

Chrome oxide, pure, dms., works..lb. .27½- .30
Malachite, thioflavin toner, molybdic, bbls., works..lb. 3.00 - —
tungstic, bbls., works.....lb. 3.50 - —
Phthalocyanin, tetrahydroxide (hydrated chromium oxide), bbls., works...lb. .85 - —
toner, bbls., works.....lb. 4.00 - 5.00
Paris (see P).
Tungstated, brilliant, kgs...lb. 3.00 - 4.00
emerald, kgs.....lb. 2.60 - —
Verdigris (see V).
Green dyes (see Dyes, coaltar).
Grindelia robusta, bls.....lb. .30 - .35
Guaiac, resin, cs.....lb. .32 - .34
Wood, bls.....lb. .35 - .36
Guaiacol, cryst., N.F., tins...lb. 1.60 - 1.65
Liquid, N.F., bots., cbys....lb. 1.60 - 1.84
Carbonate, dms.....lb. 2.40 - 2.45
Guarana, powd., cs.....lb. 2.00 - 2.10
Gum accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. .90 - .95
Arabic, amber, sorts, bgs....lb. .13¾- .14
white, sorts, 1. bgs.....lb. .28 - .29
Asphaltum (see A).
Asafetida (see A).
Benzoin, Sumatra, cs.....lb. .90 - 1.00
Camphor (see C).
Copal, Congo (former dollar-and-cent ceilings revoked Feb. 2. New ceiling prices are to be based on prices to be paid by importers in the Belgian Congo plus landed costs, as determined by a formula under the new import regulations).
East India (former dollar-and-cents ceilings on all other copals revoked May 21. New ceiling prices are to be figured on same basis as Congo).
Manila, No. 1, hard, bold, amber, light, baskts., c.l., whse..lb. .25 - —
Dammar (former dollar-and-cent ceiling on Batavia and Singapore revoked May 21. New ceiling prices are to be figured on same basis as copals).
Elemi (former dollar-and-cent ceilings on elemi revoked May 21. New ceiling prices to be figured on same basis as copals)
Ester,[7] gum-resin type, dms., c.l., dlvd., Ill., Ind., Ky., Mich., Mid-Atl. States, N England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .1300- —
l.c.l., dlvd., Ill., etc.....lb. .1325- —
other points, same basis. lb. .1400- —
wood-resin type, dms., c.l., dlvd. Ill., Ind., etc..lb. .1050- .1074
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. .95 - 1.00
Gamboge, pipes, cs.....lb. 2.00 - 2.05
powd., bbls.....lb. 2.25 - 2.80
Ghatti, bgs.....lb. No stocks
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .21 - .50
Kauri (former dollar-and-cent ceilings revoked May 21. New ceiling prices are to be based on prices to be figured on same basis as copals).
Locust bean, powd., bbls....lb. .50 - .60

Gum, mastic, cs.....lb. 2.75 - 3.00
Myrrh, cs.....lb. .48 - .50
Olibanum, siftings, cs.....lb. .12 - .13
tears, cs.....lb. .27 - .45
Opium (see O).
Red (see Gum yacca).
Rosin (see R).
Sandarac, bgs.....lb. .90 - .95
Scammony, cs.....lb. 1.50 - 1.55
Talha, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 5.00 - 5.25
No. 2, cs.....lb. 3.65 - 3.90
No. 3, cs.....lb. 3.20 - 3.45
Yacca (former dollar-and-cent ceiling prices revoked May 21. New ceiling prices to be figured on same basis as copals).
Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.26.25 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.20.65 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —
Acme, Texas, frt. equald. ton.12.50 - —
Blue Rapids, Kan., frt. equald..ton.10.50 - —
Harlem River, N. Y., frt. equald..ton.12.00 - —
Medicine Lodge, Kan., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Okla., frt. equald. ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - -

Gypsum, stucco, paper bgs., c.l., Acme, Texas; Akron, N.Y.; Blue Rapids, Kan.; Clarsans Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y., Plasterco, Ga.; Portsmouth, N. H.; Roton, Tex.; Southard, Okla.; Sweetwater, Tex.; frt. equald..ton. 8.00 - —
Saltville, Va., frt. equald. ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y., New Brighton, N. Y., same basis..ton.14.40 - —

H

Hawthorn berries, bgs.....lb. .80 - .85
Heliotropin, cryst., cns.....lb. 2.95 - 4.00
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. 2.25 - 2.50
Hematine extract, cryst., No. 6, bbls., l.c.l..lb. .41 - —
No. 1, bbls., l.c.l.....lb. .40 - —
No. 1A, bbls., l.c.l.....lb. .37 - —
No. 2, bbls., l.c.l.....lb. .36 - —
No. 3, bbls., l.c.l.....lb. .34 - —
No. 4, bbls., l.c.l.....lb. .32 - —
No. 5, bbls., l.c.l.....lb. .30 - —
paste, No. 1, bbls., l.c.l.....lb. .17½- —
No. 2, bbls., l.c.l.....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .15½- —
red, No. 4, bbls., l.c.l.....lb. .14½- —
Hemlock bark extract, 25% tan, bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. 1.00 - 1.25

Henna leaves, bls.....lb. .20 - .22
powd., bbls., bxs.....lb. .34 - .36
Heptane, industrial grade, 50°-100° C., dms., c.l., Group 3, gal. .12½- —
l.c.l., Group 3.....gal. .13 - —
tanks, Group 3.....gal. .10½- —
77°-115° C., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .13 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3-gal. .16 - —
l.c.l., Group 3.....gal. .30 - .35
Hexalin (see cyclohexanol).
Hexaethyl tetraphosphate, cbys., cns., works..lb. 2.00 - —
dms., c.l., works.....lb. 1.10 - —
l.c.l., works.....lb. 1.25 - 1.75
Hexamethylenetetramine,[1] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots, same basis..lb. .25 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots, same basis..lb. .36 - —
Hexane, 60°-70° C., industrial grades, dms., c.l., Group 3. gal. .12½- —
l.c.l., Group 3.....gal. .13 - —
tanks, Group 3.....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .30 - .35
Hexanol, normal, dms., l.c.l., works..lb. .25 - —
Homatropine hydrobromide, bots. os.15.00 -25.00
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago..unit-ton. 8.50 - —
Hops, NF, bls.....lb. .56 - 1.50

BEMIS MINUTE MOVIES

for Shippers Who Want to Save Time and Money

"THE DOOM OF THE AWFUL AROMA"

Scenario: An Important Chemical is hard-working, invaluable to society . . . but people don't like to associate with it because it has halitosis (in other words, it's a social outcast).

How can our friend become a pleasant traveling companion? Simple! In odorproof containers, of course. (This fellow's breath is too strong for an ordinary container.) But won't *special* containers cost too much? What to do? What to do? . . .

Happy Ending: Our hero got wise, like a lot of other socialites, and began traveling in economical Bemis Waterproof Laminated Textile Bags. He rides safely, saves money and enjoys public approval. Everybody is happy again.

PRE-TESTS STOP PROTESTS! Bemis Waterproof Laminated Textile Bags head off complaints because they are tested *before* they are put to work. Their strength and tear-resistant, puncture-resistant qualities are pre-proved for you. And their economy is attested by thousands of users.

This Bemis Waterproof Bag is light in weight, yet is the strongest shipping bag made. It protects both ways — what's inside the bag and what's outside, too. It assures low-cost protection against escape or absorption of odors, change in moisture content, contamination, sifting, breakage, and many other common shipping complaints. It eliminates labeling costs and saves packaging and shipping costs.

A Bemis Waterproof Bag can also be made lintproof, acid-, oil-, or grease-resistant. Empty or filled, it saves storage space.

If the *exact* Waterproof Bag you need doesn't exist, the Bemis Shipping Research Laboratory will design it for you.

Write today for a copy of "Seven Facts About Low-Cost Protective Packaging"

BEMIS BRO. BAG CO.

WATERPROOF DEPARTMENT

408 PINE ST. ST. LOUIS 2, MO.

Plants and Offices in 33 Principal Cities

Horehound, bls.	lb.	.12½- .13
dydrangea root, bls.	lb.	.23 - .25
Hydrastine, alkaloid, bots.	oz.	20.00 -22.00
Hydrochloride, bots.	oz.	20.00 -22.00
Sulphate, bots.	oz.	29.00 -32.00
Hydrastinine, 10-gr. bots.	bot.	1.95 - —
Hydrastis (see Goldenseal).		
Hydrofuramide, dms., fib. cns., works.	lb.	.30 - .40
Hydrogen peroxide, USP, bbls.	lb.	.03½- .04
100 vols., cbys., E. of Miss. River or West coast via Panama Canal.	lb.	.15½- .15½
Hydroquinone, bbls., dms.	lb.	.90 - .94
Hydroxycitronellal, cns.	lb.	17.50 -21.00
dms., extra, ret able, dlvd.	lb.	No prices
Hyoscine hydrobromide, bots.	oz.	39.00 -45.00
Hyoscyamine, bots.	oz.	18.00 -20.00
Hydrobromide, bots.	oz.	18.00 -19.50
Sulphate, bots.	oz.	14.00 -19.50
Hypernic extract, cryst., No. 1, bbls., l.c.l.	lb.	.48 - —
No. 2, bbls., l.c.l.	lb.	.40 - —
liquid, No. 1, bbls., l.c.l.	lb.	.27 - —
No. 2, bbls., l.c.l.	lb.	.22 - —
solid, No. 1, bxs., l.c.l.	lb.	.33 - —
Hyssop, bgs.	lb.	.60 - .61
leaves, bgs.	lb.	.69 - .70

I

Iceland moss, bgs.	lb.	.50 - .53
Ichthammol, NF, bots.	lb.	2.45 - —
Indian red (see Red, Indian).		
Indigo, nat., chests.	lb.	2.14 - 2.20
synth., paste, bots.	lb.	.16½- .19
powd., bbls.	lb.	.74½- .85
Indol, CP, bots.	lb.	19.00 -23.00
Insect flowers (see Pyrethrum).		
Iodine, crude, 150-lb. kgs., ex whse., Staten Island.	lb.	1.42½- —
resubl., 5-lb. bots., jars.	lb.	2.10 - —
Iodoform, 100-lb. dms., kgs.	lb.	4.45 - —
Ionone, ketone, bot.	lb.	6.00 -14.00
Methyl, bot.	lb.	6.25 -16.85
Ipecac root, bgs.	lb.	6.00 - 6.25
powd., bgs.	lb.	6.25 - 6.50
Irish moss, bleached, prime.	lb.	.25 - .50
Iron acetate, liquor, bbls., c.l., dlvd.	lb.	.17 - —
l.c.l., dlvd.	lb.	.18 - —
solut., USP IX, 100-lb. cbys.	lb.	.17 - —
50-lb. djns.	lb.	.18 - —
Chloride (ferric), anhydr., tech., dms., c.l., works.	100 lbs.	4.90 - 5.25
l.c.l., works.	100 lbs.	6.50 - 6.85
cryst., tech., bbls., works, frt. alld.	100 lbs.	4.00 - 6.00
USP X, lump, bbls.	lb	.07 - .08¼
solut., 42 Be, cbys., works, frt. alld. or equald.	lb.	.05½- .06
djns., same basis.	lb.	.10 - —
Citrate, USP VIII, gran., dms.	lb.	.70 - .75
powd., cns.	lb.	.84 - .87
Glycerophosphate, N.F., powd.	lb.	4.35 - —
Hypophosphite, bbls., dms.	lb.	1.50 - 1.52
Iodide, bots.	lb.	3.43 - —
Naphthenate, 6% Fe, 50-gal. dms.	lb.	.16½- .17½
Nitrate, red, tech., dms.	lb.	.06½- .04
Oxalate, gran., dms.	lb.	.33 - .35
powd., cns.	lb.	.37 - —
kgs.	lb.	.47 - .49
Phosphate, soluble, NF, gran., cs.	lb.	.54 - .57
Pyrophosphate, gran., cns.	lb.	.59 - .63
Reduced, 90%, kgs.	lb.	.65 - .75
Iron resinate, 7.4% Fe, 100-lb. dms.	lb.	.17¼- —
Sulphate (ferric), anhyd., bgs., c.l., works.	ton.	35.00 - —
l.c.l., works	ton.	40.00 - —
partially hydrated bgs., c.l., works.	ton.	28.50 - —
(ferrous) tech. (see Copperas).		
USP, cryst., bbls., dms.	lb.	.08½- .11
Tallate, 4% Fe, 50-gal. dms.	lb.	.16½- —
Iron-ammonia citrate, brown, green, gran., pearls, dms.	lb.	.33 - .38
scale, dms.	lb.	.49 - .53
Oxalate, bbls.	lb.	.23½- —
dms., kgs.	lb.	.25½- .26½
Iron-soda oxalate, bbls., dms.	lb.	.23½- .26½
Isobornyl acetate, cns., works.	lb.	.90 - .95
Isobornyl thiocyanoacetate, dms., c.l., works.	gal.	4.35 - —
l.c.l., works	gal.	4.45 - 4.55
tanks, works	gal.	4.25 - —
Isobutyl acetate, cns.	lb.	1.10 - —
Propionate, cns.	lb.	No prices
Isoeugenol, extra cns.	lb.	3.75 - 4.25
Isopentane, dms., works.	lb.	.45 - .55
Isophorone, dms., c.l., works.	lb.	.21 - —
l.c.l., works	lb.	.23 - —
tanks, works	lb.	.20 - —
Isopropanol (see Alcohol, isopropyl).		
Isopropyl acetate, dms., c.l., E. of Rockies, frt. alld.	lb.	.16½- —
l.c.l. E. of Rockies, same basis.	lb.	.11 - —
tanks, E. of Rockies, same basis.	lb.	.09½- —
Alcohol (see Alcohol, Isopropyl).		
Ether, dms., c.l., dlvd.	lb.	.06 - —
l.c.l.	lb.	.06½- —
tanks, dlvd.	lb.	.04½- —
Isopropylamine, dms., works.	lb.	.26 - —

J

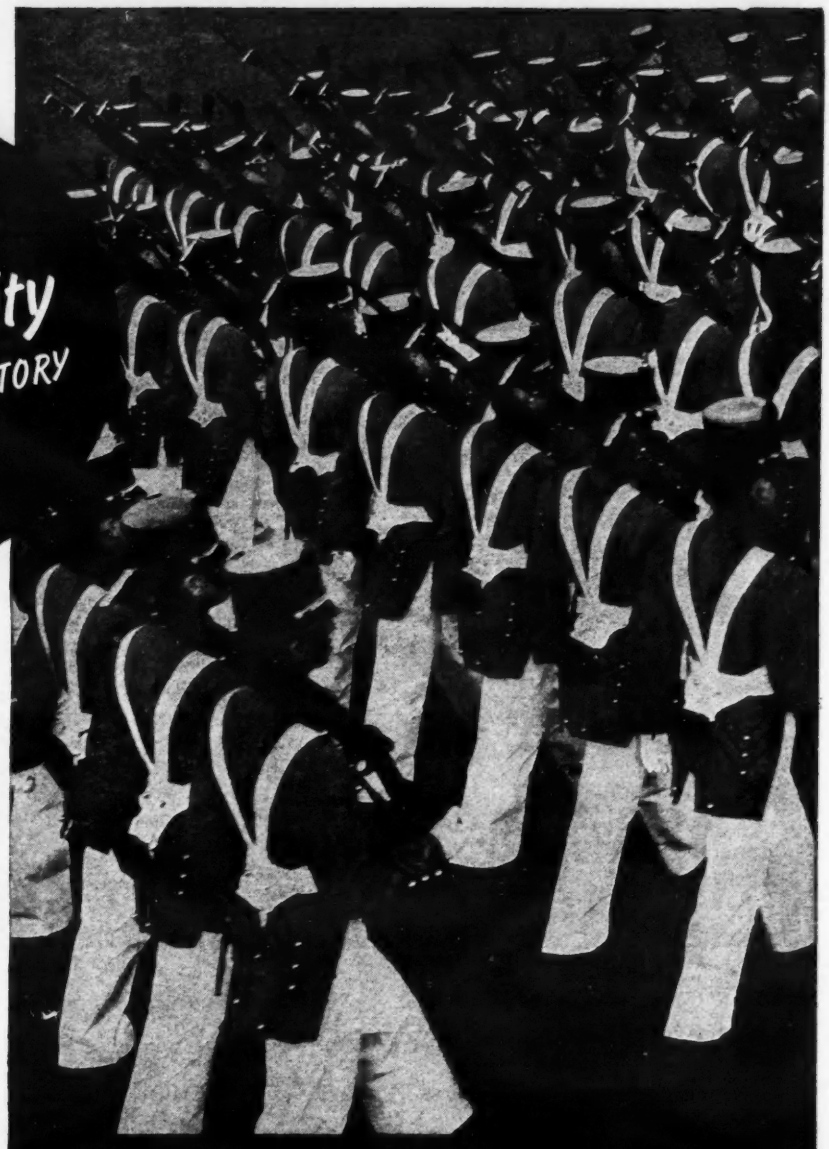
Jaborandi leaves, bls.	lb.	.80 - .82
Jalap root, NF, bls.	lb.	.45 - .50
powd., bbls., bxs.	lb.	.55 - .60
Resin, lump, cns.	lb.	5.85 - —
powd., bxs.	lb.	5.90 - —
Juniper berries, bgs.	lb.	.22 - .25
Juniper tar, USP, dms.	lb.	.80 - 1.00

K

Kamala, powd., cns.	lb.	.46 - .48
Kaolin (see China clay).		
Kava kava root, bls.	lb.	.28 - .30
Kerosene, at refinery: Ark., 42-44 w.w., tanks.	gal.	.05 - —
Bayonne, 41-43, w.w., tanks.,	gal.	.061 - —
California, 40-43 w.w., tanks.	gal.	.07 - —
Gulf ports, 41-43 w.w., tanks.	gal.	.04½- .05
Okla.-Tex., 41-43 w.w., tanks.	gal.	.04875- —
Penn., 45 w.w., tanks.	gal.	.0955- .0965
47 w.w., tanks.	gal.	.0705- —
Kola nuts, bgs.	lb.	.10 - .11
Kyanite, imp., low iron content, 10-mesh, whse.	ton.	85.00 -95.00
calcined, grain, 10-mesh, whse.	ton.	95.00 -105.00

L

Ladyslipper root, bls.	lb.	1.35 - 1.40
Lanolin (see Adeps lanae).		
Larkspur seed, bgs.	lb.	.80 - .82
Laurel berries, bls.	lb.	.25 - .26
Leaves, Cyprus, bls.	lb.	.30 - .31
Greek, bls.	lb.	.19½- .20
Portuguese, futures, bls.	lb.	.16½- .16
good, bls.	lb.	.16 - .16½
Turkish, bls.	lb.	.15½- .16
Lavender flowers, medium, bls.	lb.	.60 - .65
ordinary, bls.	lb.	.35 - .40
select, bls.	lb.	.65 - .70
Lead, acetate, white, broken, bbls.	lb.	.16 - —
cryst., bbls.	lb.	.16¾- —
gran., powd., bbls.	lb.	.16¾- —
Arsenate, basic powder, 3-lb. bgs. or larger, c.l.	lb.	.17½- —
l.c.l.	lb.	.18 - —
1-lb. ctns., c.l.	lb.	.24 - —
l.c.l.	lb.	.24½- —
Lead arsenate prices are works or whse. basis, frt. alld. to dest.		
Blue, basic sulphate, bbls., c.l., 20-ton lots, dlvd. E.	lb.	.13¼- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.13½- —
l.c.l., dlvd. E.	lb.	.13½- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.13¾- —
Carbonate (see Lead, white).		
Chloride, fib. dms.	lb.	.40 - —
Iodide, NF V, jars.	lb.	2.94 - —
Linoleate, solid, 13%, bbls.	lb.	.41¾- —
Metal,[8] (see Protective Coatings Materials market).		
Metallic paste, dms., works.	lb.	No stocks.
Naphthenate, 24%-30% Pb.	lb.	.16 - .19½
Nitrate, bbls.	lb.	.15½- .15½
Oleate, bbls.	lb.	.17¾- —
Peroxide, powd., tech., bbls.,	lb.	.22 - .26
Red, 95% Pb_3O_4, or less bbls., c.l. (20 tons), dlvd. Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.	lb.	.15½- —
other points.	lb.	.15 - —
l.c.l., 5 tons, dlvd. Ala., Cal., Fla., Ga., La., Miss., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.15¾- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash.	lb.	.16¼- —
Colo., Mont., N. Mex., Wyo.	lb.	.16 - —
other points.	lb.	.15¾- —
smaller lots, Ala., etc.	lb.	.16¼- —
Ariz., etc.	lb.	.16¾- —
Colo., etc.	lb.	.16½- —
other points.	lb.	.16 - —
in oil, kgs.	lb.	.22¾- —
97% Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo. and E. of Cascade Mts. in Wash. and Ore.	lb.	.15½- —
other points.	lb.	.16 - —
l.c.l., 5 tons, dlvd. Ala., etc.	lb.	.16½- —
Ariz., etc.	lb.	.16 - —
Colo., etc.	lb.	.15¾- —
other points.	lb.	.16 - —
smaller lots, dlvd. Ala.	lb.	.16½- —
Ariz., etc.	lb.	.17 - —
Colo., etc.	lb.	.16¾- —
other points.	lb.	.16¼- —
98% Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc.	lb.	.15¾- —
other points.	lb.	.15½- —
l.c.l., 5 tons, dlvd. Ala., etc.	lb.	.16¼- —
Ariz., etc.	lb.	.16¾- —
Colo., etc.	lb.	.16½- —
other points.	lb.	.16 - —
smaller lots, dlvd. Ala., etc.	lb.	.16¾- —
Ariz., etc.	lb.	.17¼- —
Colo., etc.	lb.	.17 - —
other points.	lb.	.16½- —
Resinate, precip., 23.8% Pb, dms.	lb.	.20 - —
Silicate, bgs.	lb.	.14½- .15
Soyate, 20.15% Pb., dms.	lb.	.23½- —
Stearate, bbls.	lb.	.34½- .35½
Sulphate (see Lead, blue; Lead, white, basic sulphate).		
Tallate, 10% Pb, dms.	lb.	.10 - .11
Titanate, bgs., bbls., c.l., l.c.l., 6 tons, one delivery, E.	frt. alld.	lb. .11¼- —
Pac. Cst., ex whse.	lb.	.11½- —
smaller lots, E. frt. alld.	lb.	.11½- —
Pac. Cst., ex whse.	lb.	.11¾- —
White, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo.	lb.	.14 - —
dlvd. other points.	lb.	.13½- —
l.c.l., dlvd. Ariz., etc.	lb.	.14¼- —
other points.	lb.	.14 - —



brilliance–uniformity THROUGH LABORATORY CONTROL

WECOLINE
DISTILLED
FATTY ACIDS

CAPRIC
CAPRYLIC
LAURIC
COCONUT
PEANUT
CORN
SOYA
LINSEED
STEARIC
OLEIC

SERVING THESE AND MANY OTHER INDUSTRIES

ALKYD RESIN • SOAP • COSMETICS
DRY CLEANING • RUBBER COMPOUNDING
TANNING • TEXTILE

On parade and in chemical processing, BRILLIANCE and UNIFORMITY make the difference between outstanding or mediocre achievement. The BRILLIANCE and UNIFORMITY of Wecoline Distilled Fatty Acids enable you to meet and *maintain* rigid quality standards.

Our experienced Laboratory Staff is available for the development of distilled fatty acids to meet your specific requirements.

E. F. DREW & CO., Inc.
Main Office: 15 East 26th St., New York 10, N. Y.
Chicago: 919 N. Michigan Ave. Boston: Chamber of Commerce Bldg.
Factory and Laboratories: Boonton, N. J.

Lead, white, basic sulphate, bbls.,		
c.l., dlvd. Ariz., etc.	lb.	.13¼ - —
other points	lb.	.13½ - —
l.c.l., dlvd. Ariz., etc.	lb.	.13½ - —
other points	lb.	.13½ - —
in oil, consumers, kgs.	lb.	.23¼ - —
painters, kgs.	lb.	.22 - —
Lecithin, edible, dms., c.l.	lb.	.25¼ - —
l.c.l.	lb.	.26½ - .45
in cocoa butter, dms., c.l.	lb.	.39½ - —
l.c.l.	lb.	.40½ - .80
tech., dms., c.l.	lb.	.25¼ - —
l.c.l.	lb.	.26½ - .45
vegetable, pure, bets., 100 lbs.	lb.	2.75 - —
Lemon peel, bls.	lb.	.35 - .40
Licorice extract, mass, cns.	lb.	.40 - .42
powd., bbls.	lb.	.90 - .92
Root, natural, bls.	lb.	.12 - .14
powd., bbls.	lb.	.18 - .20
6-lb. bundles, cs.	lb.	.05 - .06
Lignin extract, tanning grade, bgs., c.l., works.	lb.	.04 - —
Lime, agricultural, works.	ton.	9.00 - 9.00
Chemical (quicklime), lump, pebble, Adams, Mass.	ton.	9.00 - —
Annville, Pa.	ton.	8.50 - —
Bellefonte, Pa.	ton.	8.50 - —
Berkeley, W. Va.	ton.	8.50 - —
Buffalo, N. Y.	ton.	10.25 - —
Carey, Ohio	ton.	7.00 - —
Cedar Hollow, Pa.	ton.	9.00 - —
Crab Orchard, Tenn.	ton.	7.50 - —
Eagle Mountain, Va.	ton.	8.50 - —
Farnams, Mass.	ton.	9.00 - —
Gibsonburg, Ohio	ton.	7.50 - —
Hannibal, Mo.	ton.	7.50 - —
Keystone, Ala.	ton.	7.90 - —
Knoxville, Tenn.	ton.	7.90 - —
Limedale, Ark.	ton.	8.00 - —
Longview, Ala.	ton.	7.90 - —
Manistique, Mich.	ton.	8.00 - —
Marblehead, Ohio	ton.	8.50 - —
Martinsburg, W. Va.	ton.	8.00 - —
Menominee, Mich.	ton.	8.00 - —
Mitchell, Ind.	ton.	7.50 - —
Newala, Ala.	ton.	7.90 - —
Ripplemead, Va.	ton.	8.50 - —
Riverton, Va.	ton.	8.50 - —
Rockland, Maine	ton.	8.00 - —
Scioto, Ohio	ton.	6.50 - —
Sherwood, Texas	ton.	7.90 - —
Sherwood, Wisc.	ton.	8.50 - —
Springfield, Mo.	ton.	8.00 - —
Woodville, Ohio	ton.	8.50 - —
York, Pa.	ton.	8.50 - —
Hydrated, Adams, Mass.	ton.	10.00 - —
Annville, Pa.	ton.	10.00 - —
Bellefonte, Pa.	ton.	10.00 - —
Berkeley, W. Va.	ton.	10.00 - —
Buffalo, N. Y.	ton.	10.50 - —
Carey, Ohio	ton.	8.50 - —
Cedar Hollow, Pa.	ton.	10.00 - —
Crab Orchard, Tenn.	ton.	10.65 - —
Eagle Mountain, Va.	ton.	10.00 - —
Farnams, Mass.	ton.	10.00 - —
Gibsonburg, Ohio	ton.	9.50 - —
Hannibal, Mo.	ton.	9.50 - —
Keystone, Ala.	ton.	11.65 - —
Knoxville, Tenn.	ton.	10.65 - —
LaRey, Minn.	ton.	10.00 - —
Limedale, Ark.	ton.	10.00 - —
Longview, Ala.	ton.	11.65 - —
Manistique, Mich.	ton.	9.50 - —
Marblehead, Ohio	ton.	10.50 - —
Martinsburg, W. Va.	ton.	10.00 - —
Mitchell, Ind.	ton.	10.00 - —
Newala, Ala.	ton.	11.65 - —
Petoskey, Mich.	ton.	10.00 - —
Port Island, Mich.	ton.	9.00 - —
Rapid City, S. Dak.	ton.	12.00 - —
Ripplemead, Va.	ton.	10.00 - —
Rockland, Maine	ton.	9.00 - —
Scioto, Ohio	ton.	8.00 - —
Sherwood, Tenn.	ton.	11.65 - —
Sherwood, Wisc.	ton.	10.00 - —
Springfield, Mo.	ton.	9.00 - —
Woodville, Ohio	ton.	8.50 - —
York, Pa.	ton.	10.00 - —
Spray, paper bgs., Adams, Mass.	ton.	10.00 - —
Annville, Pa.	ton.	10.00 - —
Bellefonte, Pa.	ton.	10.00 - —
Carey, Ohio	ton.	11.00 - —
Farnams, Mass.	ton.	9.50 - —
Gibsonburg, Ohio	ton.	10.00 - —
Marblehead, Ohio	ton.	10.00 - —
Rockland, Maine	ton.	10.00 - —
Scioto, Ohio	ton.	10.00 - —
Woodville, Ohio	ton.	10.00 - —
York, Pa.	ton.	10.00 - —
Lime salts (see Calcium).		
Lime-ammonia-nitrogen[6] 20.5% N. (see Ammonia nitrate-lime-stone).		
Limestone, ground, bulk, works.	ton.	1.40 - —
Linalool	lb.	7.25 - 7.60
Linalyl acetate, ex bois de rose, bots.	lb.	8.50 - —
ex lignaloe wood, bots.	lb.	7.75 - 8.40
ex petitgrain, bots.	lb.	5.15 - 6.00
Linden flowers with leaves, bls.	lb.	.55 - .60
without leaves, bls.	lb.	.65 - .70
Linseed meal, 34%, bulk, mills.	ton.	33.00 -35.00
Litharge, com'l, powd., bbls., c.l. dlvd. Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash.	lb.	.14 - —
other points	lb.	.13¾ - —
l.c.l., 5 tons, dlvd., Ala., Cal., Fla., Ga., La., Miss., Tex. and W. of Cascade Mts. in Ore. and Wash.	lb.	.14½ - —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash.	lb.	.15 - —
Colo., Mont., N. Mex., Wyo.	lb.	.14¾ - —
other points	lb.	.14½ - —
smaller lots, dlvd. Ala., etc.	lb.	.15 - —
Ariz., etc.	lb.	.15¾ - —
Colo., etc.	lb.	.15½ - —
other points	lb.	.14¾ - —
Lithium bromide, bbls., 100-lb. lots, works, frt. equald.	lb.	1.90 - —
Carbonate, NF, bbls., kgs.	lb.	1.15 - —
Chloride, jars	lb.	1.15 - —
Citrate, bbls., dms., kgs.	lb.	1.30 - —
Fluoride, bbls.	lb.	1.90 - —
Hydroxide, jars	lb.	1.15 - —
Lithopone, ordinary, bgs., c.l., (20 tons)	lb.	.05 - —
l.c.l.	lb.	.06¼ - —
bbls., c.l.	lb.	.06¼ - —
l.c.l.	lb.	.06½ - —
Titanated (high-strength), bgs.	lb.	.06¾ - —
smaller lots	lb.	.07 - —
bbls., c.l.	lb.	.07¼ - —
smaller lots	lb.	.07½ - —
Lithopone, c.l., dlvd. Pac. Cst., ¼c. higher; l.c.l., ex whse. Pac. Cst. ½c. higher.		
Liverwort leaves, bls.	lb.	.70 - .75
Lobelia herb, bls.	lb.	.80 - .85
Lobeline sulphate, bots., wks.	oz.	25.50 -28.00

Logwood extract, crystals, No. 1, bbls., l.c.l.	lb.	.24 - —
No. 2, bbls., l.c.l.	lb.	.23 - —
liquid, No. 1, bbls., c.l.	lb.	.17 - —
No. 2, bbls., l.c.l.	lb.	.16 - —
No. 3, bbls., l.c.l.	lb.	.15½ - —
No. 4, bbls., l.c.l.	lb.	.15 - —
solid, No. 1, bxs., l.c.l.	lb.	.26 - —
No. 2, bxs., l.c.l.	lb.	.24 - —
bbls., c.l., Zone 1	lb.	.09½ - —
No. 4, bxs., l.c.l.	lb.	.23 - —
No. 3, bgs., l.c.l.	lb.	.23¼ - —
No 5, boxs., l.c.l.	lb.	.21½ - —
No. 6, boxs., l.c.l.	lb.	.20½ - .44½
Levage root, American (liguisticum actae folium), bbls.	lb.	1.20 - 1.50
Lupulin, NF, tin	lb.	12.75 -13.00
Lycopodium, USP, cs.	lb.	2.50 - 3.00

M

Mace, Banda, cs.	lb.	No stocks.
West Indian, bgs.	lb.	1.70 - 1.80
Broken, bgs.	lb.	1.30 - 1.40
Madder, Dutch, bbls.	lb.	.24 - .30
Magnesia arsenate,[1] dms.	lb.	.153 - .18
Calcined, tech., USP, bbls., works.	lb.	.26 - —
Carbonate, tech., bgs., c.l., l.c.l., Zone 1	lb.	.07¼ - —
bbls., c.l., Zone 1	lb.	.07½ - —
l.c.l., Zone 1	lb.	.08½ - —
kgs., c.l., Zone 1	lb.	.08¾ - —
l.c.l., Zone 1	lb.	.09¾ - —
USP, bgs., c.l., Zone 1	lb.	.08 - —
l.c.l., Zone 1	lb.	.09 - —
bbls., c.l., Zone 1	lb.	.08½ - —
l.c.l., Zone 1	lb.	.09½ - —
kgs., c.l., Zone 1	lb.	.09¼ - —
l.c.l., Zone 1	lb.	.10¾ - —

Magnesia carbonate prices, basis Phillipsburg, N. J., and Plymouth Meeting, Valley Forge, Pa., Zone 1—Conn., Del., D. C., Md., Mass., N. J., N. Y., Pa., and R. I.; Zone 2, remainder of U. S.

Magnesia chloride, anhyd., bbls., dlvd.	lb.	.12¾ - —
flake, bbls., c.l., works	ton.	32.00 - —
l.c.l., works	ton.	39.00 -42.00
Fluoride, bbls.	lb.	.20 - .28
Hydroxide, medicinal, bbls., dms., kgs.	lb.	.20 - .28
Hypophosphite, cs.	lb.	1.45 - —
Laurate, bbls.	lb.	.33 - .35
Oxide (see Magnesia, calcined).		
Peroxide, 15%, dms., works.	lb.	1.00 - 1.05
Phosphate, tribasic, USP, bbls.	lb.	.60 - —
Silicate (see Talc).		
Silicofluoride, bbls.	lb.	.06 - .09
Stearate, ctns., 2,000 lbs. to c.l.	lb.	.50 - —
smaller lots	lb.	.51 - .52
Sulphate (see Epsom salt).		
Trisilicate, dms., 1,000-lb. contracts	lb.	.37 - —
smaller lots	lb.	.42 - —
Magnesite, cal., powd., bgs., c.l., miner Calif.	ton.	58.75 - —
dead-burnt, bulk, c.l., Chewelah, Wash.	ton.	22.00 -32.00
Maleic anhydride, dms., c.l.	lb.	.25 - —
l.c.l.	lb.	.30 - —
Malva flowers, black, bls.	lb.	No stocks
blue, bls.	lb.	1.55 - 1.60
Leaves, bls.	lb.	.40 - .45
Manaca root, bls.	lb.	.49 - .50
Mandrake root, bls.	lb.	.83 - .84
Manganese acetate, dms.	lb.	.25¼ - —
Arsenate,[6] bgs.	lb.	.13 - .12¾
Borate, tech., bbls.	lb.	.16 - .18
Carbonate, bbls.	lb.	.19 - —
Chloride, anhyd., bbls., wks.	lb.	.14 - .16
Dioxide, African, battery, 84%-87%, bbls., 28-40 tons, works	ton.	74.00 - —
smaller lots, works	ton.	77.00 -82.00
85-90%, bbls., c.l., works	ton.	74.00 - —
smaller lots, works	ton.	77.00 -82.00

Manganese dioxide, African, battery, 84-87%, burlap bgs., c.l., works	ton.	71.75 - —
l.c.l., works	ton.	75.75 -79.75
paper bgs., c.l., works	ton.	70.00 - —
l.c.l., works	ton.	73.00 - —
Glycerophosphate, fib. dms.	lb.	4.25 - —
Hydrate, bbls., dlvd.	lb.	.28 - —
Iodide, bots	lb.	5.70 - —
jars	lb.	5.55 - —
Linoleate, liquid, 4%, dms.	lb.	.42½ - —
solid, precip., 8.2%, bbls.	lb.	.44¾ - —
Naphthenate, 6% Mn, dms.	lb.	.17¾ - —
Resinate, fused 5½%, bbls.	lb.	.09 - .10¼
precip., dms.	lb.	.17½ - —
Soyate, 8.2% Mn, dms.	lb.	.22 - —
Sulphate, anhyd., dms., works.	lb.	No stocks
feed grade, 77-80%, bgs.	lb.	.04 - .05
fertilizer grade, 65%, bgs., c.l., dlvd. East.	ton.	62.00 - —
l.c.l., same basis, or Balto. or Cincinnati	ton.	65.00 - —
industrial grade, 80%, bgs.	lb.	.05 - .05¾
75%, bgs., c.l., dlvd. East.	ton.	60.00 - —
Tallate, 4% Mn, dms.	lb.	.10¼ - .11¼
Mangrove bark, E. Africa, 35% tannin, c.l., ex dock, U. S. ports.	ton.	38.00 Nom.
Manna, flake, large, cs.	lb.	1.50 - 1.55
small, cs.	lb.	No stocks
Mannitol,[6] com'l, bbls., works.	lb.	.38 - .43
reagent, " " multiples, works.	lb.	.85 - —
Marjoram, Argentine, bls.	lb.	.14 Nom.
California, French type, new crop, bls., Pacific Coast.	lb.	.33 - .36
Chilean, bls.	lb.	.09½ - .10
Matico leaves, bls.	lb.	.15 - .15½
Menadione, USP, bots., works, gram.		.10 - —
Menthol, natural, USP, Brazilian, cns.	lb.	7.50 - 7.75
synthetic, tech., cns.	lb.	No prices.
USP, laevo, cns.	lb.	No prices.
racemic, cns.	lb.	6.10 - 6.20

General Chemical Research Presents

genetron* 101

—second in its new series of ALIPHATIC ORGANIC FLUORINE COMPOUNDS

Out of General Chemical's extensive fluorine research program in the field of organic chemistry comes *Genetron 101* . . . the second in a series of important aliphatic organic fluorine compounds.

This chlorinated derivative of ethylidine fluoride has a lower melting point and lower vapor pressures than the parent compound. Many of its applications are already under investigation by far-sighted manufacturers who recognize the industrial potentialities of *Genetron 101:* as a refrigerant . . . an aerosol dispersant in admixture with other Genetrons . . . a selective solvent . . . a dielectric . . . and as an intermediate in the preparation of various other organic chemicals.

The physical data here may suggest uses for this low boiling organic liquid which also merit your prompt investigation. For experimental samples, write General Chemical Company, Fluorine Division, 40 Rector Street, New York 6, N. Y.

*Trade Mark, General Chemical Company

genetron* 101
PHYSICAL PROPERTIES

Formula	$CH_3 \cdot CCIF_2$
Molecular Weight	100.51
Color	Colorless
Melting Point	—130.8° C
Boiling Point	—9.2° C
Density	1.194 at —10° C
Latent heat of vaporization	96 B.t.u./lb.

Vapor pressure (p.s.i. abs.):

—30° C	6.0
—10° C	14.7
10° C	31.2
30° C	59.0

GENERAL CHEMICAL COMPANY
40 RECTOR STREET, NEW YORK 6, N. Y.

Sales and Technical Service Offices: Albany • Atlanta • Baltimore • Birmingham • Boston Bridgeport • Buffalo • Charlotte • Chicago • Cleveland • Denver • Detroit • Houston Kansas City • Los Angeles • Minneapolis • New York • Philadelphia • Pittsburgh Providence • San Francisco • Seattle • St. Louis • Wenatchee and Yakima (Wash.)
In Wisconsin: General Chemical Wisconsin Corporation, Milwaukee, Wis.
In Canada: The Nichols Chemical Company, Limited • Montreal • Toronto • Vancouver

BASIC CHEMICALS
GENERAL CHEMICAL COMPANY
FOR AMERICAN INDUSTRY

Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10%, tubs..lb. .70 - .72
30%, pails.....lb. 1.30 - —
60%, pails.....lb. 1.96 - 1.99
Mercury bichloride (see Corrosive sublimate).
Bisulphate, dms.....lb. 2.59 - 2.61
Chloride (see Calomel).
Cyanide, cryst., powd.....lb. 2.96 - —
Iodide, red, NF, dms.....lb. 4.50 - —
yellow, NF, lib. dms.....lb. 4.00 - —
Oxide, red, NF (see Red precipitate).
yellow, USP, lib dms.....lb. 2.94 - 2.96
tech. (see Yellow, mercury oxide).
Mesityl oxide, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Metal leaf, composition, 5½x5½ in..pkg. No stocks
Gold X+, deep, 23, 5½x5½ in., pkg. No stocks
Silver, 5½x5½ in.....pkg. No stocks
Metanitroparatoluidin, bbls....lb. 1.16 - 1.21
Metaphenylenediamine, kgs....lb. .72 - —
Metatolylenediamine, kgs.....lb. .77 - —
Methanol, natural, all grades, dms., c.l., E. of Miss. R. gal. .62 - —
l.c.l., same basis.....gal. .73 - —
tanks, same basis.....gal. .60 - —
Prices on natural methanol W. of Miss. R., 3c. higher.
synth., dms., c.l., Zone 1, frt. alld..gal. .51 - —
2, frt. alld. or dlvd....gal. .54 - —
3, frt. alld.....gal. .56 - —
4, frt. alld.....gal. .58 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .56 - —
2, frt. alld.....gal. .46 - —
3, dlvd. S. F. and L. A. gal. .41 - —
4, frt. alld. or dlvd...gal. .51½- —
tanks, Zone 1, frt. alld..gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —

Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco.

Methyl abietate, non-ret. dms., c.l., dlvd..lb. .16 - —
10 dms.....lb. .17½- —
1-9 dms.....lb. .18½- —
hydrogenated, c.l., dlvd....lb. .16½- —
10 dms., dlvd.....lb. .17½- —
1-9 dms., dlvd.....lb. .18½- —
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss.....lb. .11½- .12
l.c.l., E. of Miss.....lb. .11 - .14
W. of Miss.....lb. .12 - .13½
tanks, E. of Miss.....lb. .09½- —
W. of Miss.....lb. .10½- —
tech., dms., c.l., E. of Miss. lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10½
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .89½- —
Acetone, natural, Group A, dms., incl. E. of Miss., frt. alld..gal. .66 - —
l.c.l., same basis....gal. .76 - —
tanks, same basis.....gal. .69 - —
Natural methyl acetone prices W. of Miss. R., 2c. per gal. higher.
Group B, dms., c.l., Zone 1, frt. alld..gal. .62 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
l.c.l., Zone 1, same basis. gal. .66 - —
Zone 2, same basis.gal. .83 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .88 - —
tanks, Zone 1, same basis. lb. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4 same basis.gal. .64½- —

Natural methyl acetone zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3—Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4—Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

synthetic, dms., c.l., Zone 1. gal. .51 - —
Zone 2.....gal. .53 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., one 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —
tanks, Zone 1.....gal. .43 - —
Zone 2.....gal. .44½- —
Zone 3.....gal. .45½- —
Zone 4.....gal. .45½- —

Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo. Zone 3—Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore. and Seattle, Wash. Zone 4—Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl alcohol (see Methanol).
Anthranilate, dms.....lb. 1.80 - —
bots., cns.....lb. 2.20 - 2.60
Benzoate, cns.....lb. .45 - 1.20
Bromide, cns.....lb. .25 - .26
cyls.....lb. .55 - .70
Chloride, refrigeration, cyls., 500 lbs. and up, machine mfrs. and jobbers, cylinders. lb. .23 - —
service men and consumers..lb. .26 - —
50 to 499 lbs., mach. mfrs. and jobbers..lb. .26 - —
service men and consumers, 500-lb..lb. .40 - —
Methyl chloride, refrigeration, tanks, multi-unit, machine mfrs. and jobbers..lb. .21 - —
service men and consumers..lb. .26 - .40
60-490 lb. cyl.....lb. .40 - —
Methyl chloride quotations are spot or contract, ship. point; prices above are in 60, 90 and 130-lb. cylinders; 20-lb. cylinders 10c. per pound higher.
Alcohol (see Methanol).
Cinnamate, cns.....lb. 2.00 - 3.50
Formate, dms.....lb. .90 - —
Iodide, bots.....lb. 4.00 - 4.15
Lactate, dms., c.l., dlvd.....lb. No stocks
Oleate, dms., c.l.....lb. .25 - —
Salicylate, dms., 500 lbs.....lb. .25 - —
25-50 lbs.....lb. .27 - .28
Methylamyl ketone, cns., dms., works..lb. No stocks
Methylcellulose, special, vis. (4,000 cps.) fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
smaller lots, frt. alld....lb. .65 - .70
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
smaller lots, frt. alld....lb. .58 - .68
Methylcyclohexane, 99-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms. works..lb. .28 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, USP, kgs., works. lb. 2.00 - 2.15
cns., works.....lb. 2.35 - —
Chloride, refrig., dms., wks..lb. .18 - .20
solvent, dms., works.....lb. .12 - .15
Methyleneanilin, lbs., ton lots, min. frt. alld..lb. .30 - —
smaller lots, same basis....lb. .37 - —
Methylethyl ketone, dms., dlvd.lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
tanks, dlvd.....lb. .08 - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Methylisobutyl ketone, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Methylnaphthyl ketone, cns...lb. 3.00 - 4.00
Methylpentanediol, dms., works..lb. .16 - —
l.c.l., works.....lb. .16½- —
1 and 5-gal. cont., works..lb. .20½- .25½
tanks, works.....lb. .15 - —
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works.ton.47.50 - —
l.c.l., works.....ton.51.00 - —
roofing, 20 to 80 mesh, works. ton.50.00 -60.00
graphite, bulk, Pa., mines.ton.80.00 - —
wet-grd., biotite, bgs., c.l., works frt. alld. E..lb. .05 - —
l.c.l., ex whse., or frt. alld. E..lb. .05½- —
extra fine, bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E..lb. .05¾- —
paint or lacq., bgs., c.l., works, frt. alld. E..lb. .06 - —
l.c.l., ex whse. or frt. alld. E..lb. .06½- —
rubber, bgs., c.l., works, frt. alld. E..lb. .05¾- —
l.c.l., ex whse. or frt. alld. E..lb. .06¼- —
wallpaper, bgs., c.l., works, frt. alld. E..lb. .06 - —
l.c.l., ex whse. or frt. alld. E..lb. .06½- —
white, extra fine, bgs., c.l., works, frt. alld. E..lb. .06½- —
l.c.l., ex whse. or frt. alld. E..lb. .07 - —
Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, ¾c. higher.
Milk powder,[7] skimmed, roller, bulk, c.l..lb. .15¼- .17¼
spray, bulk c.l.....lb. .15¾- .17¼
whole, roller, bbls., c.l....lb. .40 - .41
spray, bbls., c.l.....lb. .41 - .43
Milk sugar, bbls., c.l., works..lb. .26 - —
l.c.l., works.....lb. .26¾- .27¼
Mineral spirits (see Petroleum, mineral spirits).
Molasses,[6] blackstrap, tanks, works Area 1..gal. .18 - —
Area 2.....gal. .18½- —
Area 3.....ton.26.00 - —
Area 4.....ton.29.00 - —
Area 5.....ton.34.60 - —
Area 1, Fla., Ga., La., Tex.; Area 2, Mass., Md., N. J., N. Y.; Area 3, Calif.; Area 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.
Molybdate oranges (see Orange, molybdate).
Molybdenum metal,[8] kgs., 99% powd..lb. 2.60 - 3.00
Trioxide,[8] pure, kgs., works, basis Mo. content..lb. .95 - —
technical, kgs., works, basis Mo. content..lb. .80 - —
Monoamylamine, dms., c.l., works, basis 100%..lb. .61 - —
l.c.l., works, basis 100%...lb. .64 - —
Monochlorobenzene, dms., c.l., works, frt. equalized with comp. points..lb. .06 - .06½
l.c.l., works.....lb. .06½- .07½
tanks, works, frt. equalized with comp. points..lb. .06½- —
smaller containers, works.. lb. .09 - .10
Monoethanolamine, dms., c.l., frt. alld. E..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Monoethylamine, dms., c.l., works, basis 100%..lb. .17 - —
l.c.l., works, basis 100%..lb. .18 - —
tanks, 100% basis, works..lb. .15 - —
Monomethylene, anhydrous, cyl., works, frt. alld. E. of Miss. 100% basis..lb. .33½- —
solution, dms., works, frt. alld. E. of Miss., 100% basis. lb. .37 - .43½
tanks, same basis.....lb. .32 - —
Monomethylpara-aminophenol sulphate, dms..lb. 2.40 - 2.90
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Hydrobromine, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, bots., 5 ozs..oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., l.c.l., works, lb. .67 - —
smaller containers, works...lb. .75 - —
Mullein leaves, cns.....lb. .12 - .13
Musk, nat., Tonquin, grains, bots., oz.55.00 -60.00
synthetic, ambrette, cns., 100 lbs. or more..lb. 4.00 -12.00
25 lbs.....lb. 4.10 -12.10
5 lbs.....lb. 4.25 -12.25
ketone, cns., 100 lbs. or more..lb. 4.15 - 9.25
25 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
xyloi, cns.....lb. 1.40 - 2.00
25 lbs.....lb. 1.50 - 2.60
5 lbs.....lb. 1.65 - 2.90
Muskroot, bls.....lb. No prices
Mustard seed, Calif., Brown, bgs. lb. .16 - .16½
yellow, bgs.....lb. .21 Nom.
Danish, yellow, bgs.....lb. .22½- .23
Dutch, yellow, bgs.....lb. .22½- .23
Montana, brown, bgs.....lb. .14 - .14½
oriental, bgs.....lb. .11 - .11½
futures, f.o.b. source...lb. .09 - .09½
yellow, bgs.....lb. No prices
futures, f.o.b. source...lb. .20 - .21
Washington, yellow, bgs.....lb. No prices
Myrobalans, whole, J1, U. S. ports, ex dock..ton.46.00 -47.00
J2, same basis.....ton.42.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, bgs., c.l., frt. equald..lb. — - —
bbls., c.l., same basis..lb. — - —
tanks, same basis.....lb. .035 - —
78°, bgs., c.l., same basis. lb. — - —
bbls., c.l., same basis..lb. .0410- —
tanks, same basis.....lb. .0375- —
refined, balls, flakes, bbls., wholesalers and jobbers, c.l., works..lb. .09½- —
50-lb. cs., same basis....lb. .09¾- —
1-lb. pkgs., same basis..lb. .11 - —
Neocinchophen, USP, dms., works. lb. 7.00 - 7.10
Nepheline syenite, glass grade, 24 mesh, bulk, Rochester, N. Y...ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.13.50 - —
Nephelinesyenite in bgs. is $2 per ton higher than bulk.
Nerolin, crys., cns.....lb. 1.70 - 1.95
Niacin (see Acid, nicotinic).
Nickel, carbonate, bbls.....lb. .39 - —
Chloride, bbls.....lb. .20 - —
Cyanide, bots., dms.....lb. No stocks
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .14 - .14½
Nicotinamide, USP, dms., works, kilo. 9.50 - 9.80
Nicotine sulphate, 40%, dms., 50 lbs. to dealers, frt. allowed over 96 lbs..lb. .8600- —
tins, 10 lbs.....lb. 1.015 - —
Nikethamide, bots., cbys.....lb. 7.00 - 8.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .06 - —
l.c.l.....lb. .09 - —
tanks.....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .26 - —
5-6, 40-60 cps., same basis. lb. .27 - —
Ester-soluble, ¼, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .28 - —
5-6, 15-20 cps. and higher, bbls., works, dry weight, lb. .25 - —

Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.

Nitroethane, dms., works.....lb. .25 - —
Nitrogen solut., tanks.....ton.106.21 - —

Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis, Hopewell, Va., bulk, works.

Nitrogenous process tankage, bulk, works..unit-ton. 4.00 - 4.50
Sewage sludge, bulk, works.... unit-ton.3.80+.40- —
Nitromethane, dms., c.l., works, lb. .25 - —
Nitronaphthalene, bots.....lb. .24 - .25
Nitropropane 1, dms., works..lb. .25 - —
M, dms., works.....lb. .25 - —
Nutgalls, bgs.....lb. .44 - .50
Nutmegs, West Indian, bgs., Dec. lb. .80 - .82
Nux vomica, bls.....lb. .09½- .10
powder, bbls., bxs.....lb. .12 - .13

O

Oakbark extract, 25% tannin, bbls., c.l., works..lb. No stocks
Octane, 100° C-140° C, industrial grade dms., c.l., G.S..gal. .15½- —
l.c.l., G. S.....gal. .29 - —
10 gals., G. S.....gal. .55 - —
tanks, G. S.....gal. .13 - —
Octanol, (see Alcohol, ethylhexyl).
Oil, almond, artificial (see Benzaldehyde).
Bitter, F.P.A., bots.....lb. 4.35 - 5.00
USP, bots.....lb. No prices
sweet, exp., dms., cns....lb. 1.10 - 1.45
Angelica root, bots.....lb.115.00 -275.00
Seed, bots.....lb.115.00 -265.00.
Anilin (see A).
Anise, USP, Chinese, dms....lb. 1.25 - 1.50
Russian, cns.....lb. 3.75 - —
Apricot kernel, cns.....lb. .65 - .85
Avocado, cns., dms.....lb. 1.00 - 1.10
Babassu, tanks.....lb. No prices
Bay, W. I., 50-55%, cns....lb. 1.40 - 1.70
Puerto Rican, 50-55%, cns..lb. 1.53 - 1.80
Bergamot, artif., cns.....lb. 2.25 - 6.50
natural, Italian, cns.....lb. 4.50 - 6.50
Birch (see Oil, sweet, birch).
Birchtar, crude, cns.....lb. 5.00 - 6.00
rectified, cns.....lb. No stocks
Bois de rose, Brazil, cns....lb. 5.25 - 6.00
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cajeput, tech., dms.....lb. 2.70 - 2.90
redistilled, USP IX, cns...lb. 2.85 - 3.20
Calamus, cns.....lb.20.00 -30.00
Camphor, white, nat., cns...lb. .85 - 1.25
synthetic, dms.....lb. .45 - .55
Cananga, native, cns.....lb. 8.00 -14.00
rectified, cns.....lb.10.50 -17.00
Capsicum (see Capsicum, oleoresin).
Caraway, NF, cns.....lb. 6.00 - 8.75
Cardamom, bots.....lb.19.00 -26.00
Cassia, USP, cns.....lb. 3.50 - 6.50
Castor, blown, ret. dms., c.l..lb. No prices
l.c.l.....lb. No prices
cold-pressed, USP, ret. dms., c.l..lb. .30 - —
l.c.l.....lb. .31 - —
tanks.....lb. .29 - —
dehydrated, bodied, dms., c.l. lb. No prices
l.c.l.....lb. .33 - —
tanks.....lb. .30½- —
unbodied, dms., c.l.....lb. No prices
l.c.l.....lb. .36½- —
unbodied, tanks.....lb. .35 - —
Oil, castor, No. 3, tech., dms., c.l..lb. .29¾- —
l.c.l.....lb. .30¾- —
tanks.....lb. .29¾- —
sulphonated, 50% (46% fat), dms., c.l..lb. No prices
l.c.l.....lb. .17 - .19¼
75% (62-64% fat), dms., c.l. lb. No prices
l.c.l.....lb. .20 - .27¼
Cedarleaf, USP, cns., dms..lb. 2.55 - 2.70
Cedarwood, USP, cns.....lb. .80 - 1.30
dms.....lb. .86 - 1.15
Celery, bots.....lb.17.00 -22.00
Chaulmoogra, USP, cns.....lb. .85 - .95
Chinawood (see Oil, tung).
Cinnamon bark oil, bots.....lb.32.00 -55.00
leaf, dms.....lb. 1.40 - 1.95
Citronella, Ceylon, cns.....lb. 2.10 - 2.75
Java, cns.....lb. 4.75 - —
Clove, USP, cns.....lb. 1.55 - 1.95
Coconut, Ceylon type, tankcars. lb. .19½ Nom.
Pac. Coast, tankcars.....lb. .18 - .18¼
refined, Cochin type.....lb. No prices
bleached, undeod., tankcars. lb. No prices
deod., tankcars.....lb. No prices
Cod, Newfoundland, dms..gal. No prices
tanks.....gal. No prices
Codliver, USP, bbls., dms..gal. 2.60 - 3.30
Coriander, bots.....lb.18.00 -32.50
Corn, crude, tanks, works...lb. .27½- —
deod., blchd., tanks, Chicago.. lb. No prices
foots, acid, 95%, tanks, dlvd. E..lb. No prices
raw, 50%, tanks, dlvd. E..lb. No prices
Cottonseed, crude, tanks, works (see Cottonseed Oil market report).
foots, acid 95%, tanks, dlvd. E..lb. No prices
raw, 50%, tanks, dlvd. E. lb. No prices
salad, or winterized, tankcars lb. No prices
Creosote (see C).
Croton, NF, cns.....lb. 4.75 - 5.50
Cubeb, cns.....lb. No prices
Crude (see Petroleum, crude)
Cumin, bots.....lb. 8.50 -22.00
Cypress, bots.....lb.12.00 -16.00
Degras (see D).
Dillseed, bots.....lb. 6.75 - 7.00
Dillweed, bots.....lb. 4.75 - 5.25
Dip (see D).
Erigeron, cns.....lb. 2.25 - 4.40
Eucalyptus, USP, rect., 80-90%, cns..lb. 1.15 - 1.45
70-80%, cns.....lb. 1.05 - 1.40
Fennel, sweet, cns.....lb. 3.75 - 4.50
Fir, Canada, cns.....lb. 2.50 - 2.90
Fishliver, dms., less than 40,000 A units per gram.... per million units. .30 - —
for each 1,000 additional A units up to 200,000 grams. per million units. .001 - —
200,000 or more A units..... per million units. .46 - —
Fuel (see Petroleum, fuel oil).
Garlic, pure, bots.....oz.15.00 - —
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns....lb.16.00 -25.00
Bourbon, cns.....lb.16.50 -22.00
Russian, cns.....lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb.10.50 -14.00
Grapefruit, Florida, cns.....lb. 2.20 - 2.45
California, bots., cns.....lb. 2.30 - —
Grease, common, No. 1, bbls., c.l..lb. No prices
extra, No. 1, bbls., c.l....lb. No prices
Winter strained, bbls., c.l..lb. No prices
prime, burning, bbls., c.l..lb. No prices
inedible, bbls., c.l.....lb. No prices
Guaiacwood, cns.....lb. 2.90 - 4.00
Hemlock, cns.....lb. 2.60 - 2.75
Herring, crude, tanks, Pac. coast..lb. No prices
Juniper berry, dom., bots....lb. 6.00 - 8.50
Juniper tar, USP (see Juniper Tar).
Juniper wood, tech., cns.....lb. .65 - 1.00
Lard oil (see Oil, grease).
Laurel, bots.....lb. No prices
Lavandin, cns.....lb. 4.00 - 5.00
Lavender flower, French, 38%-42% ester, cns..lb.10.00 -17.00
30-32% ester.....lb. 6.00 -10.00
Russian, cns.....lb.13.75 - —
Spike, Spanish, pure, cns....lb. 2.25 - 3.10
tech., cns.....lb. 2.05 - 2.50
Lemon, USP, Calif., cns.....lb. 3.35 - 3.45
Messina, cns.....lb. 3.25 - 4.00
Terpeneless, bots.....lb.40.00 -50.00
Lemongrass, cns., dms.....lb. 3.85 - 4.45
Lignaloe seed, Mexican, cns.lb. No stocks
Wood, Mexican, cns.....lb. 4.60 - 5.75
Brazilian (see Bois de Rose).
Lime, distilled, Mexican, cns. lb. 5.25 - 7.20
West Indian, cns.....lb. 6.00 - 7.50
expressed, West Indian, cns.lb.13.50 -15.00
Linseed, raw, dms., c.l.....lb. .3580- —
l.c.l.....lb. .3620- .3680
tankcars.....lb. .3480- —
tankwagon.....lb. .3500- —
Boiled linseed oil, .004 higher than raw.
Linseed, replacement, dms., c.l. lb. .3180- .3270
l.c.l.....lb. .3220- .3330
tanks.....lb. .3060- .3090
Lubricating, at refinery, ex tax, California, neutral, pale, 200-800 vis., 2¼-4 pour, tanks..gal. .07¾- .11
red, 200-800 vis., 4-6½ pour, plus tanks..gal. .07¾- .11¼
Group 3, bright stock, 150-160 vis., 0.25 pour, tanks, gal. .23 - .26
neutral, 300 vis., No. 3, col., 0.10 pour, tanks, gal. .18½- .19
200-300 vis., No. 3, col., 15-25 pour, tanks.gal. .16 - .18
145-155 vis., No. 3, color, 10-25 pour, tanks..gal. .26 - .31
cylinder oils, 600-680 flash, tanks..gal. .17 - .19
600-650 steam, refd., tanks..gal. .15½- .20
neutral, 70° F., No. 3 color, 150 vis., 25 pour, tanks, gal. .26 - .36
200 vis., 25 pour, tanks, gal. .28 - .38
Mace, dist., cns., dms.....lb. 7.50 - 9.00
Mineral, white (see Oil, white).
Mandarin, Brazilian, cns....lb. 5.25 -10.00
Menhaden, crude, tanks, Balto, lb. No prices
refined, alkali, dms., c.l...lb. .30½- —
kettle-bodied, dms., l.c.l..lb. .32 - —
light-pressed, dms., l.c.l..lb. .29 - —
tanks.....lb. .28 - —
Mustard, artif., USP, cns...lb. 1.45 - 1.65
Seed, exp., dms., c.l.....lb. .30 - —
Neatsfoot, 15°, bbls.....gal. No prices
20°, bbls.....gal. No prices
30°, bbls.....gal. No prices
pure, bbls.....lb. No prices
Neroli, French, bots.....lb.150.00 -200.00
Haitian, bots.....lb.170.00 -300.00
Nutmeg, cns.....lb. 7.50 - 9.00
Ocotea cymbarum, dms.....lb. .90 - 1.60
Oiticica, liquid, tankcars....lb. .33½- —
dms., carlots.....lb. .34¼- —
l.c.l.....lb. .34¾- —

OPD—12-23-1946 23

IMPORTERS *and* EXPORTERS

AGAR AGAR (Jap Gelatin)

COD LIVER OILS

DRIED EGG PRODUCTS

- Egg Yolk
- Whole Egg
- Hen Egg Albumen
- Tech. Egg Albumen

ESSENTIAL OILS

- Anise, Chinese
- Balsam Copaiba, Brazilian
- Bergamot, Italian
- Lemon, Italian
- Orange, Brazilian
- Orange, Florida
- Peppermint, Brazilian
- Rosewood, Brazilian

FISH LIVERS and FISH LIVER OILS
(Vitamin A & D Oils)

FISH MEALS and BONE MEALS

MENTHOL CRYSTALS U.S.P.—Chinese, Japanese, Brazilian

ESTABLISHED 1928

CICO

CONSUMERS IMPORT CO., INC.

Empire State Building, 350 Fifth Avenue, New York 1, N. Y.

TELEPHONE LONGACRE 3-0415

CABLE ADDRESS PUREFOOD-NEW YORK

Oil, olec, extra, tcs., Chicago..lb. .30 - —
Olibanum, bots. .....lb. 5.00 -10.50
extra fine.....lb. 6.25 - —
Olive, denat., dms.....gal. No stocks
edible, Calif., 2%-4% f.f.a., dms., extra, works..gal. No prices
imported, dms. .....gal. 8.00 - 8.50
foots, dms., c.l.....lb. No prices
tankcars .....lb. No prices
sulphonated, 50% (40% fat). dms., c.l..lb. No stocks
l.c.l. .....lb. No stocks
80% (68% fat), dms., c.l.lb. No stocks
l.c.l. .....lb. No stocks
85% (65% fat), dms., c.l.lb. No stocks
l.c.l. .....lb. No stocks
Orange, sweet, dist., cs.....lb. 1.25 - 1.75
expressed, USP, Brazilian, cns..lb. 1.45 - 2.00
Calif., cns. .....lb. 1.60 - 2.00
Florida, cns., dms.....lb. 1.45 - 1.80
Messina, coppers.....lb. No stocks
West Indian, cns. .....lb. 2.25 - 2.75
sesquiterpeneless, bots. ....lb.100.00 -135.00
Origanum, Spanish, cs.....lb. 2.40 - 3.25
Palm, Niger, dms.....lb. No prices
Palmarosa, cns. .....lb. 8.50 - 9.50
Palmkernel, crude, bulk, c.i.f., N. Y..lb. No prices
Paraffin, 300° flash, 100-110 vis., tanks, G.S..gal. .05¾- —
320° flash, 60-70 vis., tanks, G.S..gal. .06¼- —
350° flash, 70-80 @ 100 vis., 0/10 pour, G.S..gal. .06 - —
80-85 vis., 0/10 pour bbls. extra, ind. ref'y..gal. .12 - —
100-110 vis., 0/10 pour, same basis..gal. .06¼- —
10/25 pour, same basis.gal. .06¼- —
Patchouli, imported, cns....lb.58.00 -114.00

Oil, peanut, bleached, undeodd., tankcars..lb. No prices
crude, tanks, works.....lb. .27½- .28
foots, acid, 96%, tanks, dlvd. E..lb. No prices
raw, 50%, tanks, dlvd., E.lb. No prices
hydrogenated, tankcars.....lb. No prices
Pennyroyal, dom., dms., cns.lb. 3.85 - 3.95
import. cns. .....lb. 4.25 - 5.00
Peppermint, natural, dms...lb. 7.75 - 8.25
redist., USP, dms.....lb. 8.30 - 8.75
Perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns...lb. 3.60 - 4.75
Pimento, berry, dms.....lb. 6.75 - 8.00
Leaf, cns. .....lb. 3.25 - 3.65
Pine, destructively dist., dms., c.l., incl. wks., South..gal. .70 - —
l.c.l., same basis.....gal. .71 - —
tanks, wks., South.....gal. .61 - —
steam-dist., dms., dlvd. E.gal. .80 - —
Pinesneedle, cns. .....lb. 3.35 - 3.65
Putty, petroleum, heavy, dms, gal. .18 - —
tankwagon .....gal. .17½- —
light, dms.....gal. .18½- —
tankwagon .....gal. .12½- —
Rapeseed, bulk .....lb. No prices
Red, single dist., ref. dms...lb. .29¾- .30¾
tanks, dlvd., E. of Rockies. lb. .28½- —
double dist., ref. dms.....lb. .32¾- .33¼
Rose, natural, coppers.....oz.31.25 -40.00
Rosemary, Spanish, tech., cns., dms..lb. 1.10 - 1.50
USP, cns., dms.....lb. 1.45 - 1.75
Rosin, 1st rectified, dms....gal. .66 - —
2d rectified, dms.....gal. .68 - —
3d rectified, dms.....gal. .72 - —
Rue, bots.....lb. 4.75 - 5.25
Sage, Dalmatian, cns.....lb. 5.75 - 6.50
Spanish, cns. .....lb. 2.35 - 3.50

Oil, sandalwood, *NF*, Mysore, cns., case lots..lb.11.15 -21.00
Sardine, crude, tanks Pac. coast..lb. .28½- —
refined, alkali, dms., l.c.l..lb. .30½- —
kettle-bodied, dms., l.c.l..lb. .32 - —
light-pressed, dms., l.c.l..lb. .29 - —
tanks .....lb. .28 - —
Sassafras, artificial.....lb. .80 - 1.10
natural, Brazilian (see Oil, ocotea cymbarum).
domestic, USP XII, cns., dms..lb. 1.95 - 2.30
Savin, cns.....lb. 6.25 -20.00
Savory, cns.....lb. 6.00 - —
Seal, No. 1, tanks, U.S. ports. lb. No prices
Sesame, tanks .....lb. No prices
Shingle stain, bbls., c.l., works, gal. .2185- —
l.c.l., works.....gal. .25 - .29
tanks, works.....gal. .15 - .16
Snakeroot, Canada, cns.....lb.27.00 - —
Soybean, clarified, dms., l.c.l. lb. .2680- —
tanks .....lb. .26 - —
crude, tankcars, mills.....lb. .24½- .25
winterized, tankcars, Decatur..lb. No prices
refd., alkali, tanks.....lb. .2670- .2720
foots, acid, 95%, tanks, dlvd. E..lb. No prices
raw, 50%, tanks, dlvd. E.lb. No prices
Spearmint, dms. .....lb.12.25 -15.00
Sperm, bleached, 38°, dms...lb. No prices
natural, 45°, dms.....lb. No prices
Spruce, cns., dms.....lb. 2.60 - 2.75
Sunflower, imported, refined, tanks..lb. No prices
semi-refined, tanks.....lb. No prices
Sweet birch, North, cns....lb. 5.00 - 7.25
South, cns.....lb. 2.50 - 3.25

Oil, tall, crude, dms., c.l., works. ton. No prices
l.c.l., works .....ton. No prices
tanks, works .....ton. No prices
redined, dms., c.l., works..lb. .07¾- .08
l.c.l., works.....lb. .08¼- .09½
tanks, works.....lb. .07 - .07¼
Tallow, acidless, bbls., c.l., Chicago..lb. No prices
tanks, Chicago .....lb. No prices
Tansy, cns. .....lb.12.00 - —
Tar, pine, crude, dms, incl., c.l., dlvd. E. cities..gal. .43 - —
l.c.l., works, South....gal. .40¾- —
tanks, dlvd. E. cities....gal. .34¼- —
rectified, USP, l.c.l. dms. incl., wks., South..gal. .60 - —
Tar acid (see T).
Thyme, red, NF, cns.....lb. 2.60 - 3.25
White, cns. .....lb. 2.85 - 3.75
technical, cns.....lb. .75 - .95
Tung, dms., c.l.....lb. .39½- —
l.c.l. .....lb. .40½- .41
tankcars .....lb. .38¾- —
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, USP, cns., dms..lb. .30 - .35
Vetiver, Bourbon, cns.....lb.34.00 -42.50
Haitian .....lb.29.50 -35.00
Whale, ref., natural, dms...lb. No stocks
Winter bleached, dms.....lb. No stocks
Wheat germ, dms.....gal.10.00 -13.50
White, mineral, tech., 50-68 vis., dms., incl., c.l..gal. .40 - —
l.c.l. .....gal. .43 - .47
65-75 vis., dms., dms. incl., c.l..gal. .41 - —
l.c.l. .....gal. .44 - .48
USP, 80/90 vis., dms., dms. incl., c.l..gal. .43 - —
l.c.l. .....gal. .46 - .50
125/135 vis., dms., dms. incl., c.l..gal. .54½- —
l.c.l. .....gal. .57½- .61½
145/155 vis., dms., dms. incl., c.l..gal. .56½- —
l.c.l. .....gal. .59½- —
175/185 vis., dms., dms. incl., c.l..gal. .59 - —
l.c.l. .....gal. .62 - .66
200/210 vis., dms., dms. incl., c.l..gal. .63 - —
l.c.l. .....gal. .66 - .70
335/345 vis., dms., dms. incl., c.l..gal. .71 - —
l.c.l. .....gal. .74 - .78
55, 70 and 85 vis., non-ret. dms., SanFrancisco.gal. .45 - —
smaller lots, same basis. gal. .47 - .50
100 vis., non-ret. dms., 65 dms., San Francisco..gal. .56½- —
smaller lots, same basis. gal. .57½- .61½
145 vis., non-ret. dms., 65 dms., San Francisco.gal. .64 - —
smaller lots, same basis gal. .66 - .69
180 vis., non-ret. dms., 65 dms., San Francisco..gal. .69½- —
smaller lots, same basis gal. .71½- .74½
240 vis., non-ret. dms., 65 dms., San Francisco.gal. .81 - —
smaller lots, same basis gal. .83 - .86
Wintergreen, natural, North, cns..lb. 5.50 -17.25
South, cns. .....lb. 3.65 - 6.00
synthetic (see Methyl salicylate).
Wood (see Oil tung).
Wormseed, cns.....lb. 5.00 - 6.75
Wormwood, cns. .....lb.10.00 -12.25
Ylang-ylang, Bourbon, extra, bots..lb.18.00 -24.00
first, bots.....lb.14.00 -17.50
second, bots.....lb. 9.50 -14.00
third, bots.....lb. 5.75 - 9.00
Oleostearin, loose, Chicago....lb. No prices
Olivine, aggregate, c.l., mines.. ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bgs., c.l., works..ton. 9.50 - —
lumps, paper bgs., c.l., works. ton. 7.00 - —
spalls, paper bgs., c.l., works. ton. 5.00 - —
Opium, USP, cns.....lb.21.80 -21.65
gran. .....lb.22.70 -22.95
powd. .....lb.22.70 -22.95
Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies. lb. .35 - .36
Chrome, CP, bbls., dlvd. N. of Tenn. and N.C., W. of Miss R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .23½- —
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1¼c. Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c.; Ft. Worth, Tex., 1½c.; El Paso, Tex., 2c.; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dinitroaniliin, toner.....lb. 1.12 - —
Molybdate, bbls. .....lb. .37½- —
Orthonitroaniliin toner, bbls., kgs., works..lb. .80 - 1.05
Persian, bbls. .....lb. .30 - .45
Orange mineral, American, bbls., 5 tons, dlvd. Ala., Cal., Fla., Ga., La., Miss., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .18 - —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .18¼- —
Mont., Wyo., Colo., N. Mex..lb. .18¼- —
other points .....lb. .17¾- —
smaller lots, Ala., etc...lb. .18¼- —
Ariz., etc. .....lb. .19 - —
Colo., Mont., N. M., Wyo..lb. .18¾- —
other points .....lb. .18¼- —
Orange flowers, bls.....lb. .48 - .49
Orange peel, bitter, Haitian, bls. lb. .13 - .15
Sweet, bls. .....lb. .13¼- .14
Oregano, Italian, bgs.....lb. .27 - .27½
Portuguese, bgs. .....lb. .24½- .25½
Orris root, Florentine, bls.....lb. .40 - .41
Verona, bls. .....lb. .35 - .36
Portuguese, bls. .....lb. .35 - .36
Orthoamylphenol, dms., works.lb. .25 - —
Orthoanisidin, bbls. .....lb. .70 - —
Orthochloroaniliin, dms. .....lb. .60 - —
Orthochlorophenol, dms. .....lb. .25 - .27
Orthocresol, 30.4° C., min., M.P., dms., c.l., works..lb. .17½- .20
l.c.l., works .....lb. .18 - .18½
30° C. min., M.P., dms., c.l., works..lb. .16¾- .17
l.c.l., works .....lb. .17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld W. of Rockies..lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .06¼- —
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.

WHEN BUYING AROMATICS—
"Let prudence guide ye!"
Do you compound your own odors for soaps, cosmetics or perfume extracts?
Here is one of the most valuable materials ever furnished the perfumer.
Cyclamal
In three grades:
EXTRA 95-96% Aldehyde—$7.20 per lb.
CYCLAMAL 85% Aldehyde—$6.50 per lb.
CYCLAMAL FOR SOAP 53-55% Aldehyde
$4.75 per lb.

SPECIAL PRICES IN QUANTITY

As it is 5 times stronger than Hydroxy Citronellal it is one of the most economical raw materials the perfumer can use. In high priced items, the higher aldehyde content product has its place in some of the most exquisite extracts ever developed.

Ask for samples. *Compare on quality.* *Calculate your cost savings.*

Aromatics Division
GENERAL DRUG COMPANY
125 Barclay Street, New York 7, N. Y.
S. CLINTON STREET, CHICAGO 6 1019 ELLIOTT STREET, W. WINDSOR, ONT.
ESTABLISHED 1919 GD AROMATICS DIVISION

Orthonitroaniline, dms.	lb.	.43	- .55
Orthonitrochlorobensene, dms.	lb.	.15	- .16
Orthonitrodiphenyl, tech., grade A., dms., c.l., works.	lb.	.10	- —
l.c.l., works	lb.	.11	- —
grade B, dms., c.l., works.	lb.	.06	- —
l.c.l., works	lb.	.07	- —
Orthonitroparachlorophenol, cns.,	lb.	.75	- —
Orthonitrotoluene, dms.	lb.	.08	- .09
Orthophenetidin, dms.	lb.	.90	- —
Orthotoluidin, dms.	lb.	.18	- .19
Osage orange crystals, bbls.	lb.	.29	- —
extract, No. 1, bbls.	lb.	.14	- —
Ouabaine, USP, bots.	gram	3.00	- 4.00
Oxyquinolin sulphate, cns., 100 (ds., works.	lb.	3.50	- —
small lots, works	lb.	3.75	- 4.15

P

Papain, powd., cs.	lb.	6.50	- 6.75
Papaverine, natural or synthetic, hydrochloride, NF, cns., 100-oz. lots.	oz.	7.00	- —
smaller lots	oz.	7.05	- 7.35
Sulphate, cns.	oz.	7.10	- 7.35
Paprika, Calif., sweet Callente, ground, bgs.	lb.	.40	- .41
Chilean, bgs.	lb.	.33	- .35½
Portuguese, bgs.	lb.	.46	- .46
Spanish, bgs.	lb.	.48½	- .50
Para-anisidin, dms., works	lb.	.75	- —
Parachlorophenol, dms., c.l., works,	lb.	.24	- —
l.c.l., same basis	lb.	.25	- .27
Paracresol, bbls., works	lb.	.41	- —
Paracymene, dms., c.l., works.	lb.	.1595	- —
l.c.l., same basis	lb.	.1645	- —
tanks, same basis	lb.	.1545	- —
Paradichlorobenesene, dms., c.l., works.	lb.	.12½	- —
l.c.l., same basis	lb.	.14	- —
Paraffin, crude scale, white or yellow, 124-126 ASTM, bbls.,	c.l., refinery.	lb.	.06 - —
fully ref'd slabs, loose, 117-119 ASTM, c.l., refinery.	lb.	.05	- —
123-125 ASTM, refinery.	lb.	.0530	- —
125-127 ASTM, refinery.	lb.	.0530	- —
128-130 ASTM, refinery.	lb.	.0560	- —
130-132 ASTM, refinery.	lb.	.0585	- —
133-135 ASTM, refinery.	lb.	.0615	- —
135-137 ASTM, refinery.	lb.	.0640	- —
Prices in bags 4/10c. lb. higher.			
Paraformaldehyde, dms. 1,000 lbs. or more, works.	lb.	.21	- —
smaller lots, works	lb.	.22	- —
Paraldehyde, tech., 98% 55 and 110-gal. dms., l.c.l., wks.	lb.	.12	- —
10-gal. dms., works	lb.	.15	- —
USP, clys., cns.	lb.	.35	- .45
Paranitroaniline, kgs., works	lb.	.41	- .43
Paranitrochlorobensene, kgs., wks.	lb.	.16	- —
Paranitrophenol, kgs.	lb.	.35	- —
Paranitrotoluene, kgs., works	lb.	.30	- —
Paraphenylenediamine, tech., kgs.	lb.	1.25	- —
Paratoluenesulphonamide, bbls.	lb.	.70	- —
Paratoluidin, bbls., works	lb.	.44	- —
Paris green, dealer, distributor, dms., kgs., c.l., works, frt. alld.	lb.	.26	- —
l.c.l., same basis	lb.	.27	- —
Passion flower herb, bls.	lb.	.30	- .33
Patchouli leaves, bls.	lb.	.38	- .40
Pectin, bbls.	lb.	1.25	- —
Penicillin,[4,5] ampule, per 100,000 unit.		.38	- —
Pennyroyal leaves, bls.	lb.	.24	- .25
Pentachlorophenol, dms., works,	lb.	.20	- .25
Pentaerythritol, CP, bbls. dlvd.	lb.	.75	- —
smaller containers	lb.	1.00	- —
tech., bbls., c.l.	lb.	.27	- —
l.c.l.	lb.	.31	- —
Pentane, 28°-38° C., industrial grade, dms., c.l., Group 2,	gal.	.11	- —
l.c.l., dms., Group 3.	gal.	.19	- —
tanks, Group 3	gal.	.07½	- .07¾
28°-38° C. laboratory grade, 10-gal. cns., dlvd. E.	gal.	.55	- —
dms., c.l., Group 3	gal.	.16	- —
l.c.l., Group 3	gal.	.29	- —
Pepper, black, bgs.	lb.	.64	- .65
futures, bgs., Jan.	lb.	.52	- .53
Red, capsicum, Carolina longs, new crop, bgs., shipment point.	lb.	.55	- .56
sports, old crop, bgs.	lb.	No stocks	
Louisiana, longs, new crop, bgs., shipment point.	lb.	.42	- .43
sports, bgs.	lb.	No stocks	
Niger, bgs.	lb.	.45	- .46
Chillies, Haitian, bgs.	lb.	.56	- .57
Mexican, long	lb.	.50	- .51
White, bgs.	lb.	.70	- .73
Peppermint, dom., USP, bls.	lb.	1.20	- 1.25
imported, USP, bls.	lb.	1.25	- 1.30
Perchloroethylene, dms. c.l.,			
Zone 1, works, frt. alld.	lb.	.0772-	.0800
Zone 2, same basis	lb.	.0823-	.0850
Zone 3, same basis.	lb.	.0852-	.0900
Zone 4, same basis	lb.	.0876-	.0900
l.c.l., Zone 1, same basis.	lb.	.0532-	.0850
Zone 2, same basis	lb.	.0582-	.0850
Zone 3, same basis	lb.	.0623-	.0850
Zone 4, same basis	lb.	.0626-	.0850
Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va. Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (4) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah Wash.			
Peru balsam, dms.	lb.	1.25	- 1.30
Petrolatum, tech., dark, bbls., c.l., Group 3.	lb.	.021	- —
golden topas, bbls., c.l.	lb.	.022	- —
l.c.l.	lb.	.026	- —
red, veterinarian, bbls., c.l.	lb.	.024	- —
l.c.l.	lb.	.028	- —
USP, amber, non-ret. dms., c.l.	lb.	.04½	- —
l.c.l.	lb.	.05½	- —
extra amber, dms., c.l.	lb.	.04½	- —
l.c.l.	lb.	.05½	- —
cream, c.l., dms.	lb.	.05½	- —
l.c.l.	lb.	.07½	- —
white, lily, dms., c.l.	lb.	.06½	- —
l.c.l.	lb.	.08½	- —
snow, dms., c.l.	lb.	.06½	- —
l.c.l.	lb.	.09	- —
soft, dms. c.l.	lb.	.06½	- —
l.c.l.	lb.	.07½	- —
yellow, soft, dms., c.l.	lb.	.05½	- —
l.c.l.	lb.	.05½	- —
Petroleum, crude, bulk, at wells, California, heavy grades,	bbl.	1.28	- 1.30
Illinois	bbl.	1.60	- 1.63
Kentucky, Union County,	bbl.	1.72	- 1.77
Louisiana-Arkansas	bbl.	1.10	- 1.63
Montana	bbl.	1.30	- 1.70
Oklahoma-Kansas	bbl.	1.30	- 1.90
Pennsylvania, lower field.	bbl.	2.30	- 2.55
Upper field	bbl.	1.76	- 2.30
Texas East	bbl.	1.30	- 1.72
Gulf coast	bbl.	1.38	- 1.93
North, North-Central	bbl.	1.46	- 1.70
Panhandle	bbl.	1.28	- 1.70
West	bbl.	1.15	- 1.63
Wyoming	bbl.	.95	- 1.70
Petroleum ether, laboratory grade, 30°-60° C, 10-gal. cns., dlvd. E.	gal.	.55	- —
dms., c.l., Group 3	gal.	.16	- —
l.c.l., same basis	gal.	.29	- —
35°-60° C, 10-gal. cns., dlvd. E.	gal.	.55	- —
dms., c.l., Group 3	gal.	.16	- —
l.c.l., same basis	gal.	.29	- —
40°-75° C., 10-gal., cns., dlvd. E.	gal.	.55	- —
dms., c.l., Group 3	gal.	.16	- —
l.c.l., same basis	gal.	.29	- —
Fuel oil, furnace, tanks, at refinery, Arkansas, No. 2.	gal.	.04½	- —
No. 3.	gal.	.04½	- —
Bayonne, No. 2, tanks,	gal.	.0640	- —
California, heavy	bbl.	1.25	- 1.30
light	bbl.	1.35	- 1.40
diesel	gal.	.04¾	- .05¼
Group 3, No. 1	gal.	.04¾	- .04¾
No. 2, straw	gal.	.04½	- .04¾
No. 3.	gal.	.04	- .04¼
Oklahoma, No. 1, p.w.	gal.	.04¾	- .05½
No. 1, straw	gal.	.04¾	- —
No. 2, straw	gal.	.04½	- .04¾
No. 3.	gal.	.04	- .04¼
No. 6	bbl.	1.15	- 1.35
range	gal.	.04¼	- —
Pennsylvania, No 1.	gal.	.06¾	- .07
No. 2	gal.	.06½	- .06¾
No. 3	gal.	.06¾	- .06¾
36-40 gravity	gal.	.06¼	- —
Bunker C (No. 6), tanks, Albany, N. Y.	bbl.	1.92	- —
Baltimore, Md.	bbl.	1.73	- —
Boston, Mass.	bbl.	1.96½	- —
Charleston, S. C.	bbl.	1.83	- —
Jacksonville, Fla.	bbl.	1.68	- 1.83
New York, N. Y.	bbl.	1.92	- 2.02
Norfolk, Va.	bbl.	1.83	- 1.86
Philadelphia, Pa.	bbl.	1.92	- 2.02
Portland, Me.	bbl.	2.01	- 2.06
Providence, R. I.	bbl.	1.98	- 2.04
Savannah, Ga.	bbl.	1.88	- —
Petroleum, lacquer diluent, California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles.	gal.	.11	- —
Seattle, Wash.	gal.	.12	- —
East Coast, N. J.. N. Y., tanks, refinery.	gal.	.12½	- —
Group 3, benzol type tanks.	gal.	.08½	- .09¼
toluol type, tanks.	gal.	.08¾	- .09½
San Francisco	gal.	.11½	- —
Portland, Ore.	gal.	.12	- —
Mineral spirits, California, San Francisco, 170-250 b.r., tanks.	gal.	.11½	- —
205-260 b.r., tanks.	gal.	.11½	- —
244-342 b.d., tanks.	gal.	.11½	- —
307-360 b.r., tanks.	gal.	.11	- —
312-402 b.r., tanks.	gal.	.10	- —
362-456 b.r., tanks.	gal.	.10	- —
East Coast, N. J.. N. Y., tanks, refinery.	gal.	.11	- —
Group 3, tanks, refinery.	gal.	.07½	- —
Gulf coast, tanks.	gal.	.07½	- —
tankwagon, Baltimore	gal.	.14½	- —
Boston	gal.	.13	- —
Buffalo	gal.	.13½	- —
Camden, N. J.	gal.	.11½	- —
Chicago	gal.	.1400	- —
Detroit	gal.	.1710	- —
Kansas City, Mo.	gal.	.143	- —
Lancaster, Pa.	gal.	.13½	- —
Newark	gal.	.12	- —
New York	gal.	.12	- —
Philadelphia	gal.	.12	- —
Pittsburgh	gal.	.13½	- —
Providence	gal.	.15	- —
Rochester	gal.	.13½	- —
St. Louis	gal.	.149	- —
Syracuse	gal.	.15½	- —
Washington, D. C.	gal.	.14½	- —
Wilmington, Del.	gal.	.12	- —
Petroleum, naphtha, cleaners, California, tanks, San Francisco.	gal.	.13	- —
East coast, N. J., N. Y., tanks, refinery.	gal.	.11	- —
Group 3, tanks, refinery,	gal.	.08½	- —
tankwagon, Newark.	gal.	.12½	- —
Chicago	gal.	.14½	- —
Detroit	gal.	.15½	- —
New York	gal.	.13	- —
Philadelphia	gal.	.126	- —
St. Louis	gal.	.1470	- —
High-solvency, No. 3, tanks, Paulsboro, N. J.	gal.	.16	- .22½
No. 30, tanks, same basis.	gal.	.17	- .23
No. 40, tanks, same basis.	gal.	.17½	- .23
No. A-80, tanks, Carteret, N. J.	gal.	.21½	- —
Chicago, Cincinnati, Detroit	gal.	.24	Nom.
No. B-90, tanks, all shipping points.	gal.	.24½	- —
No. F-80, tanks, Carteret, N. J.	gal.	.23	- —
V.M.&P., at refinery, California, 46.5, 264 l.b.p., 380 e.p., tanks, El Segundo.	gal.	.12	- —
Richmond	gal.	.12½	- —
Portland, Ore., Seattle, Wash.	gal.	.13	- —
64-77, 190 l.b.p., 310 e.p., Los Angeles.	gal.	.11	- —
San Francisco.	gal.	.11½	- —
Portland, Seattle.	gal.	.12	- —
E Coast, N. J., N. Y., tanks, refinery.	gal.	.13	- —
Gulf Coast (dlvd. New Orleans), tanks.	gal.	.06½	- —

If it's LEMON flavored—

IT'S 4 TO 1 THE OIL IS EXCHANGE!

More than 80% of all the lemon oil used in the United States is Exchange Lemon Oil.

This overwhelming endorsement by the trade is your assurance that Exchange Lemon Oil delivers *flavor...clarity* and *uniformity* not found in any other Lemon Oil.

Distributed in the United States exclusively by
FRITZSCHE BROTHERS, INC.
76 Ninth Avenue, New York 11, N. Y.

DODGE & OLCOTT, INC.
180 Varick Street, New York 14, N. Y.

Distributors for:
CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIF.

Producing Plant:
The Exchange Orange Products Co., Ontario, Calif.

Petroleum naphtha, VM&P, tank-wagon, Boston..gal. .14 - —
Chicago ..gal. .149 - —
Detroit ..gal. .163 - —
Milwaukee ..gal. .165 - —
Minneapolis ..gal. .164 - —
Newark ..gal. .13½ - —
New York..gal. .13 - —
Philadelphia ..gal. .13¼ - —
Pittsburgh ..gal. .14½ - —
St. Louis..gal. .159 - —
Solvent, rubber, at refinery, California, San Francisco tanks..gal. .11½ - —
East Coast, N. J., N. Y., tanks..gal. .12 - —
Group 3, tanks..gal. .08¼ - —
Stoddard (C.S. 8-53), at refinery:—
California (San Francisco), tanks..gal. .12 - —
East Coast, N. J., N. Y., Group 3, tanks..gal. .07¼ - —
Pennsylvania, western, tanks..gal. .07¾ - .08
tankwagon, Boston..gal. .13 - —
Chicago ..gal. .14½ - —
Detroit ..gal. .16½ - —
Milwaukee ..gal. .15½ - —
Minneapolis ..gal. .1540 - —
Newark ..gal. .13½ - —
New York..gal. .12 - —
Philadelphia ..gal. .11½ - —
Pittsburgh ..gal. .13 - —
St. Louis..gal. .14½ - —
Syracuse ..gal. .15½ - —
Sulphonates, 65% sulphonic content, ret. dms., c.l., works..lb. .09¾ - —
l.c.l., works..lb. .09¾ - .10¾
tanks, works..lb. .09¼ - —
50% sulphonic content, ret. dms., c.l., works..lb. .09¾ - —
l.c.l., works..lb. .09¾ - .10¾
tanks, works..lb. .09¼ - —
Phenobarbital, dms., 100 lbs..lb. 3.50 - —
Phenol, 90-92% (cresol, 8-10%), dms., c.l., wks., frt. equald. lb. .11 - .12½
l.c.l., same basis..lb. .11¾ - .12
tanks, same basis..lb. .10 - .10½
82-84% (cresol, 16-18%), dms., c.l., same basis..lb. .11 - .11¼
l.c.l., same basis..lb. .11¾ - .12
tanks, same basis..lb. .10 - .10½
USP, dms., c.l., same basis..lb. .11¼ - .12
l.c.l., same basis..lb. .12 - .13½
tanks, same basis..lb. .10¼ - .11¾
Phenolphthalein, USP, bbls., dms., 2,000 lbs..lb. .85 - —
smaller lots ..lb. .87 - .92
Yellow, fib. dms., 2,000 lbs..lb. .80 - —
smaller lots ..lb. .82 - .87
Phenothiazin, NF, fib. dms., ton lots or more, works..lb. .49 - —
smaller lots, works..lb. .54 - —
Phenylacetaldehyde solution, 50%, bots..lb. 2.35 - 2.50
pure, bots. ..lb. 4.00 - 5.15
Phenylethyl acetate, dms.....lb. 2.15 - 3.00
Phenylethylphenyl acetate, bots. lb. 5.35 - 7.50
Phenylhydrazin base, CP, bots.lb. 4.55 - —
Hydrochloride, CP, bots., works. lb. 7.10 - —
commercial, kgs., works...lb. 1.75 - —
Phloroglucinol, CP, fib. dms...lb. 13.75 -14.75
tech., fib. dms. ..lb. 12.00 -12.85
Phosgene, ton lots, works.....lb. .19 - —
Phosphate, deduorinated (see under D).
Phosphate rock, Fla., land pebble unground, run-of-mine, washed, dried, 68%-66% b.p.l., bulk, car at mine, c.l.....
long ton. 2.60 - —
70%-68%, same basis..
long ton. 3.00 - —
72%-70%, b.p.l., same basis..long ton. 3.60 - —
75%-74%, b.p.l., same basis..long ton. 4.60 - —
77%-76%, b.p.l., same basis..long ton. 5.60 - —
entirely pebble 50c. per ton higher than above prices.
finely ground, 65.5% b.p.l., 80% P_2O_5 minimum..
short ton. 3.15 - —
68%, b.p.l., basis 31% P_2O_5 minimum..short ton. 3.35 - —
70%, b.p.l., basis 32% P_2O_5 minimum..short ton. 3.70 - —
Tennessee, brown, unground, run-of-mine, 70-68% b.p.l., 5½% I. & a., same basis..
long ton. 5.50 - —
72%-70%, b.p.l., 5½% I. & a., same basis..long ton. 6.00 - —
redmery ground, 29% P_2O_5, same basis..long ton. 5.15 - —
30% P_2O_5, same basis....
long ton. 5.35 - —
31% P_2O_5, same basis.....
short ton. 5.45 - —
32% P_2O_5, same basis....
short ton. 5.70 - —
35% P_2O_5, same basis....
short ton. 6.20 - —
Phosphorus, red amorphous, cs. lb. .40 - .44
tins, export..lb. .55 - —
yellow, cns..lb. .28 - .29
dms., c.l..lb. .14½ - —
Oxychloride, dms., c.l.....lb. .10½ - —
Pentoxide, dms., c.l., works.. lb. .11 - .12
l.c.l., works..lb. .13 - .14
Sesquisulphide, cs..lb. .38 - .42
Trichloride, dms., c.l.....lb. .10½ - —
l.c.l. ..lb. .12½ - .15
Phthalamide, bbls., works....lb. .35 - .40
kgs., works..lb. .45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. alld. E. of Denver..lb. .14½ - —
l.c.l., same basis.....lb. .15½ - —
Pichi leaves, bgs..lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots..oz. 8.00 - —
Pilocarpine hydrochloride, USP, bots., vials..oz. 5.25 - 6.50
Nitrate, bots., vials.....oz. 5.15 - 6.25
Pimento, Jamaica, bgs.....lb. .25 - .25½
Pinetar, retort, dms., incl., c.l., dlvd. E..gal. .43 - —
l.c.l., works, dms., incl.gal. .40¾ - —
l.c.l., whse., N.Y.C., dms. incl..gal. .49 - —
tanks, dlvd. E. ..gal. .34¼ - —
Pinkroot, bls..lb. 1.00 - 1.05
Piperazine hexahydrate, bots..lb.16.00 -17.00
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton.20.90 - —
l.c.l., works ..ton.24.20 - —
Cottonseed, dms., works....lb. .10½ - .10¾
Hardwood, paper bgs., works.. lb. .04 - —
Linseed, dms..lb. No prices
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms..100 lbs. 6.50 - —
stands, 200 lbs.....stand. 6.00 - —
Soybean, dms., works.....lb. .10¼ - .10½
Plaster of paris (see Gypsum).
Podophyllin, dms. ..lb.12.25 -12.50
Pokeroot, bis. ..lb. .16 - .17
Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld. lb. .32 - —
20,000 lbs., frt. alld.....lb. .33 - —
smaller lots, frt. alld....lb. .34 - .36
Water-clear, polystyrene, 7c. per lb. less than plain colors.
Pomegranate, root bark, bgs..lb. .75 - .76
Poppy flowers, bls. ..lb. .60 - .70
Seed, Argentine, bgs.....lb. .19½ - .20
Danish, bgs..lb. .21½ - .22
Dutch ..lb. .23¼ - .23¾
Swedish, bgs. ..lb. .21 - .21½
Turkish, bgs. ..lb. .21 - .21½
Potash abietate ..lb. .06 - —
Acetate, USP, dms.....lb. .28 - .32
Arsenite, USP, solut., cbys., djns..lb. .13 - .15
Bicarbonate, USP, ..st., gran., bbls., dms..lb. .10 - .21
bichromate, bgs., c.l., works. lb. .10¾ - —
l.c.l., works..lb. .10¾ - .11½
Potash bichromate in bbls., ¼c. higher.
Borate, gran., bbls., N. Y. or Chi..lb. .1015 - —
Bromide, USP, cryst., gran., 500-lb. bbls., dms..lb. .25 - .29
Carbonate, calcined, bbls., c.l., works..lb. .06½ - —
l.c.l., same basis.....lb. .06¾ - —
hydrated, 83-85%, bbls., c.l., works..lb. .05½ - —
dms., l.c.l., same basis.lb. .06¾ - —
USP, gran., bbls., dms....lb. .14 - .20
powd., bbls., dms.....lb. .19 - .21
Caustic, low-chloride, 90% basis, flake, dms., c.l., works.. 100 lbs. 9.31 - —
l.c.l., works....100 lbs. 9.66½ - —
liquid, dms., c.l., works..... 100 lbs. 8.56 - —
l.c.l., works....100 lbs. 8.68½ - —
tanks, works.....100 lbs. 8.06 - —
solid .....100 lbs. 8.56 - —
l.c.l., works....100 lbs. 8.93½ - —
regular, flake, 88-92%, dms., c.l., works..lb. .07 - —
l.c.l., works ..lb. .07¼ - .07½
liquid, 45% basis, dms., c.l., works, frt. alld..lb. .03¼ - —
l.c.l., same basis.....lb. .03½ - .03¾
tanks, same basis.....lb. .02¾ - —
solid, 88-92%, dms., c.l., works..lb. .06¼ - —
l.c.l. ..lb. .06½ - .06¾
Chromate, bgs..lb. .24 - .26
Chlorate, cryst., kgs., c.l., works..lb. .11 - .1175
l.c.l., works ..lb. .119 - .130
powd., dms., kgs., c.l., works. lb. .0975 - —
l.c.l., works ..lb. .119 - .130
export, 1 to 10 tons, kgs., ex whse..lb. .16 - .18
Chloride, tech., cryst., 98%, bgs., kgs..lb. .08 Nom.
Citrate, USP, gran., bbls., dms..lb. .33½ - .38½
powd., 3c. per lb. higher.
Cyanide, dms., works.....lb. .55 - —
Fluoride, bbls. ..lb. .34 - .40
Glycerophosphate, 75% solution, cbys..lb. 2.30 - —
Guaiacosulphonate, NF, dms.lb. 1.65 - 1.75
Hydroxide, USP, sticks, dms.lb. .34 - .36
Hypophosphite, cns. .....lb. .72 - .75
Iodide, dms..lb. 1.60 - —
Manure salt, 22% K_2O, Carlsbad, N. M. unit-ton. .20 - —
25% K_2O, same basis.unit-ton. .21 - —
Metabisulphite, gran., bbls..lb. .19 - .21
powd., bbls..lb. .25 - —
Muriate,[8] dom., 60-62-63% K_2O, bulk, ex vessel ports.... cryst.. unit-ton. .53½ - —
granular, 50-52% K_2O, ex vessel U. S. ports..unit-ton. .53½ - —
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M. are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 8c. per unit of K_2O less than ex vessel price at Pacific coast ports.
Nitrate (see Saltpeter).
Oxalate, neutral, pure, gran., bbls., dms..lb. .87 - .50
tech. fine gran., bbls., dms. lb. .28 - .31
Perchlorate, kgs., works....lb. .09¾ - .11
Permanganate, tech., dms., works..lb. .19¾ - .20¼
USP, dms., works.....lb. .20½ - .21
Persulphate, dms., c.l. works. lb. .16 - —
l.c.l., same basis.....lb. .20 - —
Prussiate, red, kgs.....lb. .55 - .58
Yellow, bbls.....lb. .19 - —
Pyrolateate, tech., bbls.....lb. .18 - —
Silicate, glass, bgs., c.l. works. ton.200.00 -
l.c.l. .....100 lbs.15.25 - —
solution, 29° Be. ret. drums, c.l., works..100 lbs. 4.25 - —
l.c.l., 5 or more, works... 100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be. ret. dms., c.l., works 100 lbs. 4.75 - —
l.c.l., 5 or more, works 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Sulphate,[6] NF, gran.....lb. .14 - .20
powd., bbls.....lb. .15 - .21
tech., dom., bulk,[8] basis 90-95% K_2O_4, min. 90%, ex vessel Atlantic or Gulf ports..ton.36.25 - —
West coast potash ports, same basis..ton.39.25 - —
Sulphocyanide, cryst., N.F., dms..lb. .62 - .70
Triocyanate (see Potash sulphocyanide).
Xanthate, dms., c.l.....lb. .12 - —
Potash-gold cyanide, 41% gold, bots., works..oz.14.20 -14.95
Potash-magnesia sulphate,[8] bulk, min., 40% K_2SO_4, 18.50% MgO, ex vessel ports...ton.26.00 - —
Potash-soda ferricyanide, kgs., works..lb. .40 - .42
Potash-titanium oxalate, bbls., dms..lb. .45 - .50
Prickly ash bark, bls.....lb. .40 - .45
Berries, bgs.....lb. .20 - .21
Prince's pine herb, bls.....lb. .59 - .65
Procaine hydrochloride, cns., 100-lb. lots..lb. 5.00 - —
Propane, industrial grade, tanks, Group 3..gal. .03¾ - —
Propyleneglycol, dms., c.l., frt. alld. in E..lb. .15½ - —
l.c.l., same basis.....lb. .16½ - —
tanks, same basis.....lb. .14½ - —
Psyllium seed (see Fleaseed).
Pulsatilla, bls. ..lb. .60 - .65
Pumice, grd., fine, bgs., ton lots. lb. .03¾ - —
smaller lots .....lb. .03¾ - .04
coarse, 0½, 1, 1½, 2, 3, bgs., ton lots..lb. .03¼ - —
smaller lots .....lb. .03¾ - .04¼
Chi., ton lots .....lb. .04¼ - —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs. .....lb. .27 - .28
Purple lake (see Red).
Putty, com'l dms.....100 lbs. 3.15 - —
linseed oil, raw, dms..100 lbs. 5.00 - —
refined, dms. .....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum, concentrate, dewaxed, 20% for aerosol bombs, dms., works..lb. 9.25 - 9.30
liquid (20 to 1), basis 2 grams pyrethrins for 100 cc., dms., regular base, works..gal. 6.65 - —
odorless base, dms., works, gal. 6.75 - —
(30 to 1), base 3 grams pyrethrins, per 100 cc., bbls., works..gal.10.00 - —
Pyrethrum, flowers, fine-grd., 0.9% pyrethrins, bbls., works..lb. .33¾ - —
powder, 0.5% pyrethrins, bbls., works..lb. .25 - —
Pyridin, denaturing, ret. dms., works, frt. equald..gal. 1.55 -1.60
refd., 2°, ret. dms., same basis. lb. .55 - .55½
Pyrites, Spanish, c.i.f. Atl. ports. long ton. 8.00 -10.00
Pyrocatechin (see Catechol).
Pyrophyllite, standard, 200 mesh, c.l., bulk, mines..ton.10.00 -11.50
325 mesh, same basis....ton.13.00 -13.90
No. 3, 200 mesh, c.l., mines.ton. 9.50 - —
325 mesh, same basis....ton.11.50 - —
Pyrophyllite in paper bags., $1.50 per ton extra.
Pyroxylin, scrap, opaque, amber, cs., works..lb. .17 - —
black, cs., works.....lb. .17 - —
gray, cs., works.....lb. .17 - —
mixed mottled, cs., wks.lb. .14 - —
white, China, ivory, cs., wks. lb. .17 - —
dense, cs., works.....lb. .17 - —
translucent, pastels, cs., works..lb. .17 - —
transparent, cs., works....lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, amber, cs., works, lb. .17 - —
mixed colors, cs., works..lb. .14 - —
white, cs., works.....lb. .17 - —

Q

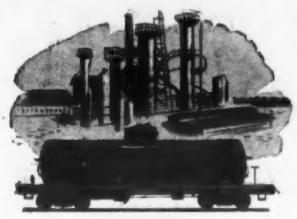
Quassia chips, bls.....lb. .08 - .09
Quebracho extract, solid, 68% tannin, bgs., c.l., ex dock, in bond..lb. .063125- .06525
clarified, 64% tannin, bgs., c.l., same basis..lb. .068125- .070625
dissolved, 35% tannin, bbls., works..lb. .04575- .0595
tanks, works .....lb. .04075- —
ground, 70% tannin, bgs., c.l., lb. .080 - —
l.c.l. ..lb. .0915- —
Quebracho extract prices based on freight and $1 insurance per long ton.
Queen of the meadow root, bgs. lb. .12 - .15
Quercitron crystals, bbls.....lb. .32 - —
Extract, No. 1, bbls.....lb. .13 - —
solid, bxs. .....lb. .23 - —
Quicksilver, flasks (76 lbs. net) flask.88.00 -90.00
Quince seed, bgs.....lb. 1.30 - 1.75
Quinidine,[9] NF V, cryst., cns.oz. No stocks
powd., precip., cns.....oz. No stocks
Sulphate, USP, cns.....oz. No stocks
Quinine,[6] NF, cns., 100 ozs...oz. No stocks
Acetate, cns., 100 ozs.....oz. No stocks
Arsenate, cns., 100 ozs.....oz. No stocks
Arsenite, cns., 100 ozs.....oz. No stocks
Bisulphate, USP, cns., 100 ozs. oz. No stocks
Dihydrobromide, bots., 50 ozs., oz. No stocks
Citrate, cns., 100 ozs.....oz. No stocks
Ethylcarbonate, USP, cns., 100 ozs..oz. No stocks
Ferrocyanide, cns., 100 ozs.oz. No stocks
Formate, cns., 100 ozs.....oz. No stocks
Glycerophosphate, cns., 100 ozs. oz. No stocks
Hydrochloride, USP, cns., 100 ozs..oz. 80½ -
Hydrochlorosulphate, cns., 100 ozs..oz. No stocks
Hydroiodide, cns., 100 ozs..oz. No stocks
Hypophosphite, cns., 100 ozs.oz. No stocks
Phosphate, NF, cns., 100 ozs.oz. No stocks
Salicylate, NF, cns., 100 ozs. oz. No stocks
Sulphate, USP, cns.. 100 ozs.oz. 80½ -
Sulphocarbolate, cns., 100 ozs. oz. No stocks
Tannate, USP X, cns., 100 ozs. oz. No stocks
Tartrate, cns., 100 ozs.....oz. No stocks
Valerate, NF IV, 100 ozs..oz. No stocks
Quinine-urea hydrochloride,[6] USP, cns..oz. No stocks
Quinoline, dms., c.l., works...lb. .32 - .50

R

R salt, dry, bbls.....lb. .65 - —
paste, dms.....lb. .52 - —
Raspberries, dried, bls.....lb. 2.20 - 2.25
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.) (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver Pueblo, Salt Lake City, Wichita.
Cadmium lithopone, deep shade, bbls., frt. alld. E. of Rockies..lb. 1.05 - 1.30
light shade, bbls., same basis..lb. .90 - 1.15
maroon, bbls., same basis. lb. 1.15 - 1.25
medium shade, bbls., same basis..lb. 1.00 - 1.10
medium-light shade, bbls., same basis..lb. .95 - 1.05
Orange-red, bbls., same basis..lb. .95 - 1.00
Red cadmium lithopone, all shades, in smaller pkgs. 5c. per lb. higher; all prices are 1c. per lb. higher ex whse., Los Angeles and San Francisco.
Carmine, No. 40, dms., bulk, works..lb. 5.50 - —
smaller lots, same basis..lb. 6.10 - —
Crocus martis (see Red, purple, oxide).
Dyes (see Dyes, coaltar).
Red, eosin toner, bbls., works.. lb. 1.35 - —
Firetoner, dom., bbls., works..lb. .85 - .90
Indian, dom., pure, bls., Bethlehem, Easton, E. St. Louis, N. Y..lb. .06¼ - —
85-85%, bbls., same basis.lb. .08¾ - —
imp., English, all shades..lb. .12 - —
Iron oxide, pure, bbls.....lb. .09 - .09¾
reduced, 85% copperas oxide, bbls., l.c.l., Bethlehem, Pa., Copley, O., Easton, Pa., and E. St. Louis..lb. .06¾ - —
80% copperas oxide, bbls., same basis..lb. .085 - .094
Lacquer, maroon, bbls., works. lb. 1.25 - —
Lake C toner, alizarin, bbls., works..lb. .90 - .97
Lithol toner, alizarin, lake, bbls., works..lb. .65 - —
Pink, bbls., works.....lb. .20 - .25
Rose lake, bbls., works....lb. .25 - .28
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.18 - —
Maroon, alizarin lake, 20%, kgs., works..lb. .40 - —
Cadmium, bbls., works.....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —
Maroon, in smaller pkgs., 5c. per lb higher.
Mercury oxide, tech., bbls., 10,000 lbs., works..lb. 2.60 - —
smaller lots, works...lb. 2.62 - —
Metallic, bbls., works.....lb. .92 - —
Oxide (see Red, iron oxide).
Para toner, chlorinated, kgs.lb. .92 - —
concent., alizarin lake, kgs., works..lb. .70 - .75
Persian (see Orange).
Phloxin toner (see Red, eosin toner).
Phosphotungstic, rhodamine, Y. kgs., works..lb. 4.15 - —
Purple lake, kgs.....lb. 1.00 - —
Scarlet ink toner, kgs., works. lb. .55 Nom.
Spanish oxide, grade 1, c.l., bbls..lb. .04¾ - .07¾
Toluidin toner, alizarin lake, kgs., works..lb. 1.05 - 1.13
MNPT maroon toner, kgs., works..lb. 3.25 - —
Turkey, bbls., works.....lb. .14½ - —
Tuscan, bbls., E. St. L.....lb. .11 - —
Venetian, 5%, bbls., works..lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .0275- —
25%, bbls., works.....lb. .06 - —
30%, bbls., works.....lb. .0325- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermillion, Amer., bbls.....lb. .22¾ - .40
Quicksilver, bbls.....lb. 2.50 - 2.65
Red precipitate, NF, powd., fib. dms..lb. 2.77 - 2.79
Red saunders wood, grd., bbls.lb. .35 - —
Resorcinol, tech., dms., works.lb. .64 - .74
USP, cryst., dms., frt. alld..lb. 1.60 - —
Rhatany root, bgs.....lb. .14 - .16
Rhubarb, whole, cs.....lb. 1.40 - 1.45
powd., bbls.....lb. 1.45 - 1.50
Riboflavin, bots.....kilo.200.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option. lb. .79 - —
Rochelle salt, gran., powd., bbls., 5,000 lbs., 1 ship't..lb. .34½ - —
smaller lots.....lb. .35 - —
Rose flowers, pale, bls.....lb. .33 - .34
Rosemary flowers, bls.....lb. 1.55 - 1.65
Leaves, French, bls.....lb. .13 - .14
Portuguese, bls.....lb. .08¼ - .09
Spanish, bls.....lb. .12½ - .13
Rosin, gum (see Naval Stores, Protective Coatings market).
Wood, B (resin) dms., c.l., works..100 lbs. 5.00 - —
FF, dms., c.l., works.100 lbs. 6.00 - —
G, H, I, dms., c.l., works, 100 lbs. 7.50 - 8.25
K, dms., c.l., works..100 lbs. 7.50 - 8.25
M, dms., c.l., works..100 lbs. 7.45 - 8.20
N, dms., c.l., works..100 lbs. 7.60 - 8.35
WG, dms., c.l., works.100 lbs. 7.65 - 8.40
WW, X, dms., c.l., works.... 100 lbs. 7.70 - 8.20
Rotenone, bbls., works.....lb.12.05 -14.50
extract, liq., dms., works..... per unit 1.15 - —
powder (see Cube root).
Rottenstone, bgs., c.l., mines.. ton.25.50 - —
l.c.l., mines.....ton.37.50 - —
Rue, bls.....lb. .45 - .46

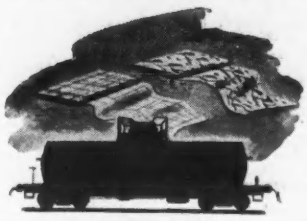
S

Sabadilla seed, powd., bbls....lb. .55 - .70
activated, ground with lime, bbls..lb. .55 - .60
Saccharin, insoluble and soluble, 1,000 lbs. and up..lb. 1.30 - 1.35
smaller lots .....lb. 1.40 - 1.60
Saffron, Mexican, bls. .....lb. 1.60 - 1.65
Spanish, USP, tins.....lb.38.00 -39.00
Safrol, cns. .....lb. 1.10 - 1.15
Sage, Cyprus, good, bls.....lb. .24½ - .25
futures .....lb. .19 - .19¼
Dalmatian, bls., futures.....lb. .37 - .38
Greek, bls. .....lb. .29 - .29½
Palestine, bls. .....lb. .16 - .16½
Spanish, bls.....lb. .15 - .15½
Syrian, bls. .....lb. .25½ - .26
Sago flour, bgs. .....lb. .10 - .12
Salicin, bots. 5 lbs. .....lb. No stocks.
cns., 25 lbs. .....lb. No stocks.
Saligenin, dms., works.....lb.15.00 -20.00
Salol, gran., bbls., kgs.....lb. .90 - —
fib. dms. .....lb. .92 - .98
Powdered salol, 10c. higher.
Salt, rock, bgs., c.l.....ton.15.50 - —
l.c.l., bgs. .....ton.20.00 - —
vacuum, common, fine, bgs., c.l..ton.16.00 - —
l.c.l., ...ton.28.40 - —
Saltcake, dom., bulk, works.ton.15.00 - —
Chrome (see Chrome cake).
Saltpeter, dbl. ref., gran., bbls., 10 ton lots..100 lbs. 8.20 - —
smaller lots .....100 lbs. 8.35 - 9.00
powd., bbls., 10-20 ton lots.. 100 lbs. 9.20 - —
smaller lots .....100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bots....oz. 8.75 - —
Santonin, cryst., powd., cns.kilo.170.00 -185.00
Saponin, No 1, cns.....lb. 1.75 - 1.90
No. 2, cns. .....lb. 1.40 - —
Sarsaparilla root, dom., bls..lb. .45 - .50
Honduras, bls. .....lb. .45 - .47
Mexican, bls. .....lb. .45 - .47
Sassafras bark, ord., bls.....lb. .45 - .50
select, bls. .....lb. .69 - .75
Savory, Spanish, bls.....lb. .21 - .21½
Saw palmetto berries, bgs.....lb. .24 - .25
Scammony resin, lump, cns...lb. 1.30 - —
powd., cns. .....lb. 1.35 - —
Root, bgs. .....lb. .10 - .13¼
Schaeffer's salt, bgs. .....lb. .60 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .30¾ - —
smaller lots.....lb. .31¼ - —
bags 5,000 lbs., 1 shipm't..lb. .31¼ - —
smaller lots.....lb. .31¾ - —



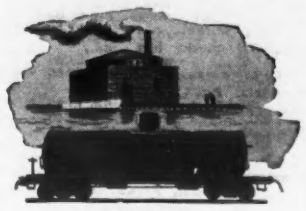
ALCOHOL

Clean, steel car, 6,000 to 10,000 gallon capacity.



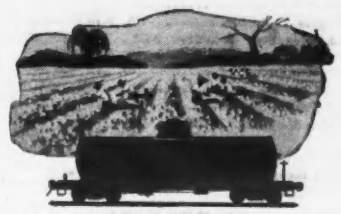
CAUSTIC SODA

Heavily insulated steel car, with or without heater coils, 8,000 or 10,000 gallon capacity. Usually specially lined.



CHLORINE

Insulated, welded car; built to withstand pressure up to 500 pounds; 15 or 30 ton capacity.

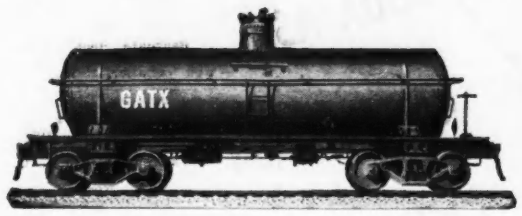


COTTONSEED OIL

Clean, steam coiled car of 8,000 gallon capacity.

FOR RENT

TANK CARS



Tank car transportation of liquids in bulk, pioneered by General American has proved its versatility, its efficiency, its economy.

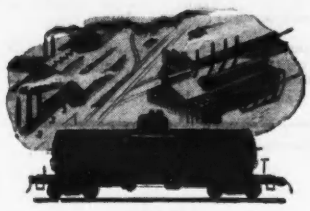
The General American fleet comprises more than 37,000 specialized tank cars . . . 207 different types of tank cars . . . designed for the safe and swift hauling of an almost infinite variety of liquids.

General American's strategically located offices, plants, and repair shops keep these tank cars at your service; provide you with precisely the type of tank cars you want, *where* you want them.

If your problem is the transportation of liquids in bulk, let the nearest General American office help you.

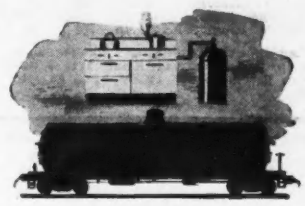
GENERAL AMERICAN TRANSPORTATION
CORPORATION
GENERAL OFFICE: 135 South La Salle Street • Chicago 90, Illinois
DISTRICT OFFICES:
New York • St. Louis • Buffalo • Seattle • Los Angeles • Dallas • Houston
Tulsa • New Orleans • Cleveland • Pittsburgh

GENERAL AMERICAN TRANSPORTATION CORPORATION CHICAGO



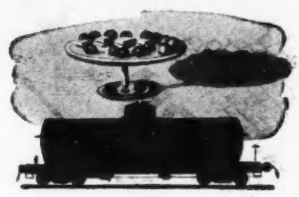
FUEL OIL

Steel car, steam coiled, 8,000 to 12,500 gallon capacity.



PROPANE

Heavily constructed car, welded and insulated. Built to withstand internal pressures to 300 pounds. Capacity 10,000 to 11,000 gallons.

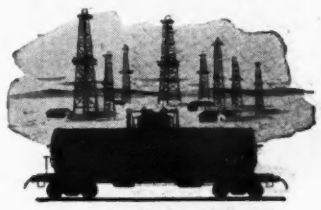


CORN SYRUP UNMIXED

Clean, steam coiled with heavy truck capacity. Usually lined with aluminum paint.

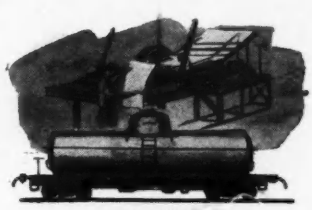
LUBRICATING OIL

Steel car, with steam coils, single or multiple compartment; usually 8,000 gallon capacity.



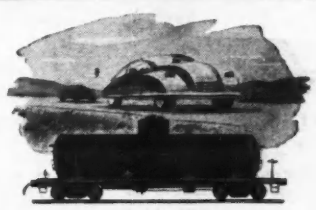
MURIATIC ACID

Car lined with pure or synthetic rubber; 8,000 to 10,000 gallon capacity.



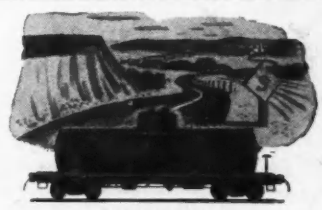
ACETIC ACID

Aluminum Car, 8,000 or 10,000 gallon capacity.



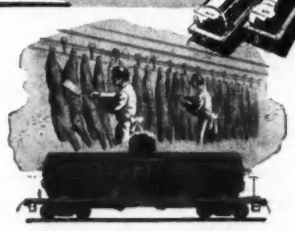
GASOLINE

Clean car, 6,000 to 12,500 gallons; single or multiple compartment.



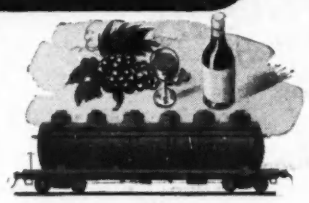
ASPHALT OR TAR

Heavily steam coiled car; with 2 or more inches of insulation; steam jacketed outlet; 8,000 to 10,000 gallon capacity.



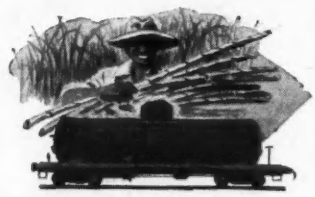
LARD

Clean steam coiled car, usually of 8,000 gallon capacity.



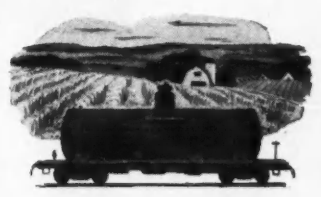
WINE

Insulated car with one to six compartments. Interior coated to preserve quality.



MOLASSES

Steam coiled car with heavy capacity trucks; 8,000 gallon capacity.



SULPHURIC ACID

Heavily constructed steel car with heavy truck capacity. Equipped to unload through dome.

Selenium, pwd., cns., 10-lb. lots.. lb. 1.85 - —
cs., 1,000-lb. lots.....lb. 1.75 - —
Senega root, bls.....lb. 2.65 - 2.75
Senna leaf, Alex., half-leaf, bls. lb. .27 - .28
siftings, bgs.....lb. .24 - .25
Tinnevelly, No. 1, bls.....lb. .24 - .29
2, bls.....lb. .22 - .27
3, bls.....lb. .20 - .24
powd., bbls., bgs.....lb. .24 - .29
Pods, bls.....lb. .14 - .21
Serpentaria root, bls.....lb. 2.75 - 2.80
Shellac, bleached, bonedry, bbls., 1,500-lb. lots..lb. .71 - —
Boston .....lb. .72 - —
Chicago .....lb. .72½- —
Pacific coast.....lb. .74½- —
refined, bbls., 1,500-lb. lot. lb. .75½- —
Boston .....lb. .79½- —
Chicago .....lb. .80 - —
Pacific coast.....lb. .82 - —

Bonedry shellac sales of less than 1,500 lbs., at following additions to prices: (1) packed in bgs., ¾c. per lb.; (2) bbls., 1c. more; (3) kgs., 3c. more.

Superfine, 100 bgs., Boston, N.Y. lb. .72 - .73
Chicago .....lb. .72½- .73
Pacific coast.....lb. .75 - .76
TN, 100 bgs., Boston, N. Y..lb. .67 - .68
Chicago .....lb. .67½- .68½
Pacific coast.....lb .70 - .71

Shellac in cs., 2c. higher. Shellac sales 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs or cs., 2c. more; 10 to 99 bgs., cs., 1c. more.

Silica, amorph., dry-grd., 325 mesh, bgs., c.l., lll. works. ton.17.00 - —
l.c.l. works.....ton.20.00 - —
400 mesh, bgs., c.l., works. ton 18.00 - —
l.c.l., works.....ton.19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.21.00 - —
400 mesh, bgs., c.l., works. ton.20.00 - —
l.c.l., works.....ton.35.00 -38.00
96%-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.21.50 -23.00
99%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.22.00 -25.00
Hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.15.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works.. ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silicon tetrachloride, tech., dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .18½- .27
Silver bullion .....oz. .87 -
Cyanide, cns., 100 ozs.....oz. .7486- —
Nitrate, bots., cns., 2,500-oz. lots..oz. .58¼- —
1,000-oz. lots.....oz. .63¼- —
500-oz. lots.....oz. .58¾- —
single ounces.....oz. .59 - —
Neucleinate, USP, bots., dms., 1,000-oz. lots..oz. .300 - —
Proteinate, USP, bots., dms., 1,000-oz. lots..oz. .225 - —
Simarubra bark, bls.....lb. .87 - .88
Skullcap, Eastern, bls.....lb. .85 - .90
Western, bls.....lb. .50 - .55
Skunk cabbage root, bls.....lb. .45 - .50

Slate flour, bgs., c.l., works..ton.11.00 -12.00
l.c.l., works.....ton.12.00 -16.00
Sloe berries, bgs.....lb. .40 - .41
Smalt, black, cns.....lb. .05 - .06
Blue, cns.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .65 - .70
Soapbark, bls.....lb. .27 - .28
crushed, bls., bbls.....lb. .32 - .33
cut, dom., bls., bbls.....lb. .32 - .33
imp., bbls. .....lb. No stocks
powd., bbls.....lb. .30 - .91
Soda acetate, anhyd., dms., dlvd. lb. .08½- .10
cryst., NF, bbls., kgs.....lb. .14 - .16
tech., 60%, l.c.l., dlvd....lb. .06½- .06
Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.60
Alkylbenzene sulphate, dms., works..lb. .13 - —
Aluminate, for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works.. 100 lbs. 7.00 - —
l.c.l. .....100 lbs. 7.50 - 8.00
Antimoniate, bbls., dlvd.....lb. .16 - .16½
Arsenate, dms., works.....lb. No prices
Arsenite, grey, dms., dealers, c.l., works..lb. .09¾- —
l.c.l., works.....lb. .10½- .11½

Soda arsenite, gray ¾c. higher in Chi., 2c. higher in Houston, Tex., and Palo Alto, Calif.

Ash, dense, 58%, bgs., c.l..... 100 lbs. 1.28 - —
l.c.l., dlvd., zone 1.... 100 lbs. 2.63 - —
2 .....100 lbs. 2.78 - —
3 .....100 lbs. 3.13 - —
4 .....100 lbs. 3.73 - —

Soda ash, dense, 58%, bbls., c.l., works, zone..100 lbs. 1.63 - —
l.c.l., zone 1.....100 lbs. 3.03 - —
2 .....100 lbs. 3.18 - —
3 .....100 lbs. 3.53 - —
4 .....100 lbs. 4.13 - —
bulk, c.l., works...100 lbs. 1.08 - —
extra light, 58%, bgs., c.l., 100 lbs. — - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.65 - —
2 .....100 lbs. 2.80 - —
3 .....100 lbs. 3.15 - —
4 .....100 lbs. 3.75 - —
bbls., c.l., works...100 lbs. — - —
l.c.l., dlvd., zone 1..... 100 lbs. — - —
2 .....100 lbs. — - —
3 .....100 lbs. — - —
4 .....100 lbs. — - —
bulk, c.l., works...100 lbs. — - —
light, 58%, bgs., c.l., works.. 100 lbs. 1.20 - —
l.c.l., dlvd., Zone 1..... 100 lbs. 2.55 - —
2 .....100 lbs. 2.70 - —
3 .....100 lbs. 3.05 - —
4 .....100 lbs. 3.65 - —
bbls., c.l., works..100 lbs. 1.60 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.95 - —
2 .....100 lbs. 3.10 - —
3 .....100 lbs. 3.45 - —
4 .....100 lbs. 4.05 - —
bulk, c.l.....100 lbs. 1.00 - —

Prices f.o.b. stock points in zones indicated. Minimum quantity 500 lbs. For less than 500 lbs., prices are ex-warehouse.

Soda ash sales zones are: (1) All States E. of Miss. R. and N. of south bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 98°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .41
USP, dms., 2 tons or more.lb. .46 - —
smaller lots.....lb. .47 - .59
Bicarbonate, USP, gran., bgs., c.l., works..100 lbs. 2.25 - —
l.c.l. .....100 lbs. 2.57½- 2.59
Bichromate, bgs., c.l., works.. lb. .08¼- —
l.c.l., works.....lb. .08¾- .08½
Soda bichromate, in bbls., ¼c. higher.
Bifluoride, bbls., c.l., frt. alld. lb. .11½- —
l.c.l., same basis.....lb. .12 - .14
kgs., same basis.....lb. .12½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
Bisulphite, solut., 32°, bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
30°, bbls., c.l., works.100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.60 - —
35° bbls., c.l., works.100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
40°, bbls., c.l., works.100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs., works..lb. .25 - —
dms., works.....lb. .25 - .30
Cacodylate, bots., dms.....lb. 8.00 -10.50
Carbonate (see Soda ash, Soda monohydrate, Soda sal).
Caustic, flake, powd., 76%, dms.. c.l., works..100 lbs. 2.90 - 3.00
l.c.l., zone 1, dlvd..100 lbs. 4.25 - —
2, dlvd.....100 lbs. 4.40 - —
3, dlvd.....100 lbs. 4.75 - —
4, dlvd.....100 lbs. 5.35 - —
liquid, 50%, buyer's tanks, works, dry basis..100 lbs. 2.00 - —
sellers, tanks, works, dry basis..100 lbs. 2.10 - —
70%, seller's tanks, works, dry basis..100 lbs. 2.10 - —
solid, 76%, dms., c.l., works.. 100 lbs. 2.50 - 2.75
l.c.l., zone 1, dlvd..100 lbs. 3.85 - —
2, dlvd.....100 lbs. 4.00 - —
3, dlvd.....100 lbs. 4.35 - —
4, dlvd.....100 lbs. 4.95 - —

Prices f.o.b. stock points in zones indicated. Minimum quantity 500 lbs. For less than 500 lbs., prices are ex-warehouse.

Caustic soda zones are same as soda ash.
Chlorate, cryst., bgs., c.l., works lb. .06¾- —
l.c.l., works.....lb. .06½- —
powd., kgs., c.l., works....lb. .06¾- —
l.c.l., works.....lb. .07 - .06½
Chloride (see Salt).
Chromate, bgs., c.l., works, frt. equald..lb. .09½- —
l.c.l., works, frt. equald..lb. .09¾- .10
Soda chromate in bbls., ¼c. higher.
Citrate, USP VIII, bbls.....lb. .18½- —
dms. .....lb. .19½- .23½
USP XII, gran., bbls.....lb. .24 - —
dms. .....lb. .25 - .30
powd., bbls.....lb. .24½- —
dms. .....lb. .25½- .29½
Cyanide, 96-98%, dms.....lb. .14½- .15
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09½- .10½
anhydrous, dms., dlvd.....lb. .12½- —
Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works.....lb. .09 - —
95%, bbls., c.l., works...lb. .07¼- —
l.c.l., works.....lb. .08¼- —

Soda fluoride prices at Los Angeles are f.a.s. works.

Formate, bgs., c.l., works..lb. .0635- —
l.c.l., works .....lb. .0650- —
Glutamate, monobasic, kgs..lb. 1.46 - 1.48
Glycerophosphate, N.F., cryst., bbls..lb. 1.90 - —
powder, bbls.....lb. 1.95 - —
solution, 75%, cbys.....lb. 1.10 - —
50%, cbys.....lb. .85 - —
Hydrosulphite, dms., c.l., frt. alld..lb. .16½- —
l.c.l., frt. alld.....lb. .18 - —
Hydroxide, USP, sticks, dms.lb. .24 - .25
Hypophosphite, NF, cns.....lb. .67 - .70
Hyposulphite, cryst., bgs., c.l., works, frt. equald.100 lbs. 2.25 - —
l.c.l., same basis.100 lbs. 2.50 - —
pea, cryst., bgs., c.l., works.. 100 lbs. 2.60 - —

Soda, hyposulphite, crystals, in bbls., 20c. higher; pea crystals, dms., 50c. higher.

USP cryst., bbls. .....lb. .10 - .12
Iodide, dms., jars.....lb. 2.72 - —
Mandelate, dms. .....lb. 3.25 - 3.35

SODA ASH
CAUSTIC ASH
CAUSTIC SODA
*PHOSFLAKE
(Bottle Washer)
MODIFIED SODAS
LIQUID CHLORINE
CALCIUM CHLORIDE
*PITTCHLOR
(Calcium Hypochlorite)
*SILENE EF
(Hydrated Calcium Silicate)
SODIUM BICARBONATE
*SODA BRIQUETTES
(Iron Desulphurizer)
*CALCENE T
(Precipitated Calcium Carbonate)

*Trade Marks Registered
U. S. Patent Office

COLUMBIA CHEMICALS

PITTSBURGH PLATE GLASS COMPANY
COLUMBIA CHEMICAL DIVISION
FIFTH AVENUE at BELLEFIELD • PITTSBURGH 13, PA.
CHICAGO • BOSTON • ST. LOUIS • PITTSBURGH • NEW YORK • CINCINNATI • CLEVELAND
PHILADELPHIA • MINNEAPOLIS • CHARLOTTE • SAN FRANCISCO

Soda metaborate, gran., bbls., c.l., dlvd..lb. .0455- —
l.c.l., N. Y. or Chi....lb. .051 - —
bgs., c.l., dlvd.....lb. .0425- —
l.c.l., N. Y. or Chi....lb. .046 - —
Metanilate, bgs. .....lb. .48 - —
Metasilicate, anhyd., dms., c.l., works, frt. equald.100 lbs. 4.00 - —
l.c.l., same basis..100 lbs. 5.10 - 5.50
gran., bbls., c.l., works, frt. equald..100 lbs. 3.40 - —
l.c.l., dlvd. .....100 lbs. 4.40 - 4.55
Methylate, bots., works....lb. 1.00 - —
cms., works .....lb. .55 - .60
dms., works .....lb. .45 - .60
Molybdate, anhyd., kgs., works. lb. .47 - —
crystals, bgs., works.....lb. .60 - —
Monohydrate, bgs., c.l..100 lbs. 2.00 - —
works .....100 lbs. 2.45 - —
Naphthionate, bbls. .....lb. .46 - —
Nitrate, dom., crude, 100-lb. bgs., c.l., works..ton.30.00 - —
bulk, c.l., works.....ton.27.00 - —
refd., gran., bbls., 10 tons.. 100 lbs. 3.60 - —
smaller lots.....100 lbs. 3.75 - 4.00
imp., 100-lb. bgs., c.l., Atl. Gulf, Pac. whse..ton.38.50 - —
bulk, same basis.....ton.36.50 - —
Nitrite, 96-98%, bbls., c.l., works, frt. equald..lb. .06¾- —
West coast, ports.100 lbs. 3.00 - 3.05
l.c.l., dlvd. .....100 lbs. 3.90 -11.00
Orthosilicate, anhyd., dms., c.l., works, frt. equald..100 lbs. 4.50 - —
l.c.l., same basis..100 lbs. 5.45 - 5.80
flake, dms., c.l., works.100 lbs. 3.10 - —
l.c.l., dlvd. .....100 lbs. 4.30 - 4.55
Oxalate, neut., bgs., works..lb. .10 - —
Pantothenate, dextrorotary, 100-gram bots..per gram. .10 - —
Pentachlorophenate, briquets, bgs., works, frt. equald..lb. .17 - .18
powd., bgs., c.l., works, frt. equald..lb. .16 - .16¼
l.c.l., works, frt. equald.lb. .17 - —
kgs., l.c.l., works, frt. equald. lb. .19 - —
Perborate, NF, bbls., c.l., works. lb. .14¾- —
l.c.l., works .....lb. .15¼- —
Peroxide, dms., c.l., dlvd. E. of Miss..lb. .14 - —
smaller lots .....lb. .17 - —
Phosphate, dibasic, tech., anhyd., bgs., c.l., works. 100 lbs. 6.00 - 6.25
l.c.l., works....100 lbs. 6.40 - 6.75
cryst., bgs., c.l., works. 100 lbs. 2.55 - 2.70
l.c.l., works....100 lbs. 2.95 - 3.05
USP XII, dried, bbls., dms., works..lb. .150 - —
monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 7.85 - 9.00
tribasic, anhydrous, bgs., c.l., works, frt. equald.100 lbs. 6.00 - 6.25
l.c.l., same basis.100 lbs. 6.50 - 7.00
cryst., bgs., c.l., works.... 100 lbs. 2.70 - —
l.c.l., same basis.100 lbs. 3.10 - —
kgs., c.l., works...100 lbs. 3.40 - —
l.c.l., works....100 lbs. 3.80 - —
USP (see Sodium phosphate, dibasic).
Soda phosphate in bbls. 20c. higher.
Prussiate, yellow, bgs.....lb. .12 - —
bbls. .....lb. .12¼- —
Pyrophosphate, ferric, dms., 10,000 lbs., works..lb. .22 - —
smaller lots, works.....lb. .22½- —
tetrabasic, anhydrous, bgs., c.l., works, frt. equald. 100 lbs. 5.25 - —
Ricinoleate, tech., bbls.....lb. No stocks
Sal, bgs., c.l.....100 lbs. 1.35 - —
works, c.l. .....100 lbs. 1.10 - —
bbls., c.l. .....100 lbs. 1.40 - —
works, c.l. .....100 lbs. 1.20 - —
Salicylate, dms.....lb. .52 - .54
Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works.....100 lbs. 1.70 - —
l.c.l., zone 1, dlvd..100 lbs. 2.70 - —
2, dlvd.....100 lbs. 2.85 - —
3, dlvd.....100 lbs. 3.10 - —
4, dlvd.....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.
Sesquisilicate, dms., c.l., works. 100 lbs. 3.00 - —
l.c.l., dlvd. .....100 lbs. 5.15 - 5.30
Silicate, 40°, turbid, dms., c.l., works..100 lbs. .80 - 1.00
l.c.l., works.....100 lbs. 1.05 - 1.30
tanks, works .....ton.12.00 -16.00
52°, turbid, dms., c.l., works, 100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - 1.80
tanks, works.....ton.25.00 - —
Silicofluoride, bbls., c.l., works. lb. .06¾- .07
l.c.l., works.....lb. .07 - .07½
Stannate, dms., works, frt. alld. E..lb. .32½- .36¼
Stearate, bbls., works.....lb. .19 - .24
Sulphate, NF, dried, powd., bbls..lb. .07 - .07¼
tech., anhyd., bgs., c.l., works. 100 lbs. 1.70 - —
l.c.l., works.....100 lbs. 1.95 - 2.20
cryst. (see Glauber's salt).
USP, cryst., gran., bbls....lb. .07 - .10
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., dlvd.....100 lbs. 3.15 - —
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., dlvd.....100 lbs. 3.65 - 3.90
Sulphite, cryst., bgs., c.l., works..100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.35 - —
bbls., c.l., works....100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.55 - —
powd., bbls., c.l., works.... 100 lbs. 5.25 - —
l.c.l., works.....100 lbs. 5.50 - 6.00
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .23 - .25
powd., bbls.....lb. .30 - .35
Sulphocyanide, CP., dms.....lb. .55 - .65
Sulphohydrate, liquid, 58%, dms., c.l., works, 100% basis. lb. .06 - —
l.c.l., same basis.....lb. .08 - —
Sulphohydrate, flake, 70-72%, dms., c.l...lb. .04½- —
l.c.l., works.....lb. .06 - —
liquid, 58%, tanks, basis 100%, works..lb. .06%- —
l.c.l., works.....lb. .08 - —
Sulphoxylate, formaldehyde, dms., c.l., works, frt. alld..lb. .17½- —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiocyanate (see Soda, sulphocyanide).
Thiosulphate (see Soda hyposulphite).
Tungstate,[6] tech., bxs.....lb. 1.35 - —
Soda-ammonia phosphate, bbls., works, frt. equald..lb. .22 - —
Soda-cinchophen, bots., dms., works..lb. 2.75 - 2.90
Soda-formaldesayde sulphoxalate, stand. cont., 125-250 lbs..lb. .19 - .22
Soda-sulphadiazin, USP, dms., works..lb.10.50 -10.60
Soda-sulphamerazin, dms., works. lb.10.50 -10.60
Soda-sulphapyridin, powd., bots., dms., works..lb. 5.00 - 5.30
Soda-sulphathiazole, USP, dms., works..lb. 2.50 - 2.80
Solvent naphtha, dms., wks..gal. .27 - —
tanks, E. of Omaha, frt. alld..gal. .22 - —
Minnequa, Colo.....gal. .26 - —
high-flash, coaltar, dms., works..gal. .30 - —
tanks, frt. alld. E. of Omaha to 3c. per gal.. gal. .25 - —
Sorbitol, com'l, dms., c.l., works. lb. .23½- —
l.c.l., works.....lb. .24 - .35
Soybean meal,[7] 41%, bulk, c.l., Decatur..ton.75.00 -80.00
Protein, alpha, bgs., 40,000 lbs., works..lb. .28 - —
20,000 lbs., works.....lb. .29¼- —
smaller lots, works....lb. .28¾- .32
Sparteinne sulphate, bots., cns.oz. 2.95 - 3.25
Spearmint leaves, bls.....lb. .48 - .49
Spikenard root, bls.....lb. .50 - .55
Spruce extract, liq., reg., tanks, works..lb. .01¾- —
pwd., super, bgs., c.l., wks.lb. .05¼- —
Squaw vine, bls.....lb. .53 - .55
Squill, red, fortified, powd., bbls., bxs..lb. 1.90 - —
White, bls.....lb. .10 - .12
powd., bbls., bxs.....lb. .16 - .20
St. Ignatius beans, bgs.....lb. No stocks
St. John's bread, edible, bls...lb. .10¾- .11¼
Starch, corn, pearl, bgs., c.l.. 100 lbs. 4.02 - —
l.c.l. .....100 lbs. 4.17 - —
Chicago, c.l.....100 lbs. 3.62 - —
Starch, corn, powd., bgs., c.l.... 100 lbs. 4.13 - —
l.c.l. .....100 lbs. 4.28 - —
Chicago, c.l. .....100 lbs. 3.73 - —
Cornstarch prices above are for paper bags; cotton bags are 20c. higher.
Potato, bgs., c.l.....lb. .0735- .0760
l.c.l. .....lb. .0810- .0825
Rice, bgs., c.l.....lb. No stocks
Sweetpotato, bgs.....lb. No stocks
Wheat, bgs.....lb. .06½- .06¾
Staves acre seed, bgs.....lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. .45 - .59
Stoneroot, bls. .....lb. .07½- .08
Storax, cs. .....lb. 1.00 - 1.10
Stramonium leaves, bgs.....lb. .20 - .25
Seed, bgs. .....lb. .20 - .21
Streptomycin, hospitals.....gram. 4.80 - —
wholesalers .....gram. 5.84 - —
Strontium bromide, NF, cns., dms..lb. .53 - .55
Carbonate, 90%, bbls.....lb. .14 - .16
98%, bbls. .....lb. .23 - .25
Chloride, tech., bbls.....lb. .22 - .24
mesh 90%, bbls., works.ton.56.00 - —
Chromate, bbls., kgs., Phila.lb. .40 - .42
Iodide, jars, 25 lbs.....lb. 3.20 - —
Lactate, dms. .....lb. 1.30 - 1.35
Nitrate, bbls., c.l., works....lb. .07¾- —
l.c.l., works.....lb. .08¼- .08¾
Oxalate, bbls., works.....lb. .38 - .40
Salicylate, NF, dms.....lb. 1.10 - 1.15
Sulphate, nat., air-floated, 325 mesh 90%, bbls., works.ton.58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works..lb. 2.50 - 2.65
Strophanthin, bots. .....oz.30.00 -50.00
Strophanthus seed, Kombe, bgs. lb. 2.25 - 2.30
Strychnine, NF, powd., cns., 100 ozs..oz. 1.25 - —
Sulphate USP, powd., cns., 100 ozs..oz. 1.00 - —
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works...lb. .40 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazine, USP, dms., works. lb. 9.00 - 9.10
Sulphaguanidin, dms., works..lb. 4.50 - 4.60
Sulphamerazin, dms., works...lb. 9.00 - 9.10
Sulphanilamide, USP, powd., bots., works..lb. 1.05 - 1.10
Sulphanilamide, 30-60 mesh, 10c. higher.
Sulphapyridin, powd., bots., tins, works..lb. 5.00 - 5.30
Sulphathiazole, USP, powd., dms., works..lb. 2.50 - 2.80
Sulphonethylmethane, kgs.....lb. 6.75 - 6.85
Sulphonmethane, kgs.....lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contract..long ton.16.00 - —
vessels, Gulf ports, contract..long ton.20.00 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.15 - —
precipitated, USP, bbls., kgs.lb. .18 - .34
refined, flour, extra fine, bgs., c.l., works..100 lbs. 3.15 - —
l.c.l., works.....100 lbs. 3.50 - 3.60
heavy, bgs., c.l., works..... 100 lbs. 2.95 - —
l.c.l., works.....100 lbs. 3.20 - 3.60
light, bgs., c.l., works.100 lbs. 2.95 - —
l.c.l., works.....100 lbs. 3.20 - 3.60

The importance

OF BEING NIAGARA CAUSTIC POTASH, CARBONATE OF POTASH, CAUSTIC SODA AND LIQUID CHLORINE

THESE BASIC electro-chemical products grow in importance as the intensified need for them increases in a wide range of industries. As the first company in America to produce Caustic Potash, Carbonate of Potash and Liquid Chlorine, and one of the first to produce Caustic Soda, Niagara has spent many years of painstaking research in improving their quality and adapting them to specialized needs. Niagara products maintain the highest standards of purity and uniformity, and Niagara's service in these products is unexcelled in thoroughness and efficiency to the full limit that the present production situation permits. For pioneering leadership in the electro-chemical field, look with confidence to Niagara. . . . Niagara Alkali Company, 50 E. 42nd Street, New York 17, N. Y.

An Essential Part of America's Great Chemical Enterprise

NIAGARA ALKALI COMPANY

CAUSTIC POTASH • CAUSTIC SODA • LIQUID CHLORINE • NIAGATHAL
CARBONATE OF POTASH • PARADICHLOROBENZENE

Sulphur, refined, flowers, USP, bgs., c.l., works..100 lbs. 3.30 - —
l.c.l., works.....100 lbs. 3.65 - —
Refined sulphur flowers in bbls., 35c. higher.
rock, bbls., c.l., works.100 lbs. 2.45 - —
l.c.l., works.....100 lbs. 2.80 - —
roll, bbls., c.l., works.100 lbs. 2.65 - —
l.c.l., works.....100 lbs. 3.00 - 3.40
rubbermakers', bgs., c.l., wks. 100 lbs. 2.15 - 2.60
Chloride, 25-gal. dms., c.l., works..lb. .03 - .03½
l.c.l., works.....lb. .04 - .04½
10-gal. dms., c.l., works..lb. .07 - .07½
l.c.l. .....lb. .08 - .08½
Dioxide, liquid, com'l, cyls., c.l., works..lb. .07 - —
l.c.l. .....lb. .08 - —
multi-unit cars, works..lb. .06 - —
tanks, works.....lb. .04 - —
refrigeration, cyls., l.c.l., works..lb. .13 - .16
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac extract, No. 1, bbls....lb. .10½- —
No. 2, bbls.....lb. .09 - —
crystals, bbls.....lb. .40 - —
stainless, bbls.....lb. .11 - .12½
Superphosphate, pulverized, run-of-pile under 22% a.p.a. bulk, production points, Baito..unit-ton. .70 - —
Florida .....unit-ton. .56 - .59
others .....unit-ton. .57 - .59
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 85½c., per unit-ton plus frt. charges from Anaconda, Mont., in excess of $3.03 per ton; guaranteed 16, 19 or 20% a.p.a., ½c. per unit-ton higher.
Superphosphate, triple, 48% or more, a.p.a., bulk, producing points, Florida..unit-ton. .68 - —
South Carolina..unit-ton. .75 - —
Tennessee .....unit-ton. .80 - —
Other States and D.C., 62c. per unit-ton plus frt. charge for 48% from E. Tampa, Fla.
Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls.....lb. .90 - 1.00

T

Talc, dom., ordinary, grd., bgs., c.l., works..ton.14.50 -24.50
l.c.l., works.....ton.16.50 -30.00
Calif., bgs., c.l., wks..ton.22.00 -30.00
Pennsylvania, bgs., c.l., works..ton.11.00 -12.50
l.c.l., works.....ton.12.00 -14.50
Vermont, bgs., c.l., works. ton.14.00 - —
l.c.l., works.....ton.17.50 - —
fibrous, grd., off-color, New York, bgs., c.l., works. ton.15.50 - —
325 mesh, 93-94%, bgs., c.l., works..ton.17.50 - —
98 - 99.5%, bgs., c.l., works..ton. No prices.
99.55-99.95% bgs., c.l., works..ton. No prices.
Imp., Canada, bgs., c.l.....ton.35.00 -44.50
Tallow, inedible, extra, loose..lb. .21¾- —
special, loose.....lb. .21½- —
sulphonated 50% (42% fat), dms., c.l..lb. No prices
(70% fat), dms., c.l.....lb. No prices
Tallow, sulphonated, l.c.l., ½c higher
Tamarind, bbls.....lb. .12¾- .13¾
Tankage, animal, feed grade, 9-11% ammon., bulk, unit-ton. 9.00 - —
Chicago .....unit-ton. 8.50 - —
fert. grade, 9% ammon., 10% b.p.l., bulk..unit-ton. No stocks
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. No stocks
Tapioca flour, bgs.....lb. .07¾- .11¾
Java, bgs.....lb. No stocks
Tar acid oil, 15-19%, dms., c.l., works..gal. .35 - —
l.c.l., works.....gal. .38 - —
25%, dms., c.l., works..gal. .41 - —
l.c.l., works.....gal. .44 - —
Tar, pine (see Pinetar).
Tara pods, c.l., ex dock U. S. ports..long ton. No prices
powd., c.l., same basis.long ton. No prices
Tarragon herb, bgs.....lb. .60 - .65
Leaves, bgs.....lb. 1.20 - 1.25
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .44 - —
dms. .....lb. .44½- .47
Tartar emetic, USP, powd., bbls., dms., kgs..lb. .49 - .53
Terpin hydrate, com'l, bbls., c.l., lb. .24½- —
lb. .25 - .25½
USP, cryst., bbls., dms....lb. .70 - .75
powd., bbls., dms.....lb. .75 - .80
Terpineol, Alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .13 - —
pure, dms.....lb. .54 - .60
extra, dms. .....lb. .42 - .48
Terpinglycol ether, dms. (extra), c.l., works..lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks works.....lb. .19 - —
Terpinyl acetate, extra, cns., dms. lb. .60 - .67
prime, cns., dms.....lb. .62 - .70
Terra alba (see Gypsum).
Tetrachloroethane, dms., works, lb. .06 - .06½
Tetrachloroethylene, NF VI, 55-gal. dms., works..lb. .20 - .21½
smaller dms., works.....lb. .22½- .23½
tech. (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works..lb. .25 - —
Tetralin, dms. .....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 99%, bots., works..lb.17.50 - —
Theobromine, dms., 25-lb. lots.lb. 3.75 - —
smaller lots .....lb. 3.86 - 4.10
Thiamine hydrochloride, dms., 100 grams or more..kilo.160.00- —
Thiocarbanilide, dms. .....lb. .24 - —
Thiouracil, dms., works.....lb. 5.50 - 5.60
Thiourea, CP, dms. .....lb. .55 - .56
Thorium nitrate, cs., works..lb. 2.00 - —
Thyme, French, bgs. .....lb. .17 - .17½
futures, bgs. .....lb. .16 - .16½
Spanish, bls. .....lb. .12 - .12½
Thymol, cns. .....lb. No prices
Iodide, dms. .....lb. 4.25 - —
Timbo root (see Cube root).
Tin chloride,[6] anhydrous.....lb. No stocks.
crystals,[6] bgs., bbls.....lb. No stocks.
Metal,[6] .....lb. .70 - —
Bolivian .....lb. .62½- —
Straits .....lb. No stocks.
Oxide,[6] bbls. .....lb. .54 - .55
Tetrachloride,[6] anhyd., dms., works..lb. .81 - .86
Titanium dioxide,[4] chalk resistant, bgs., c.l., dlvd..lb. .15½- —
l.c.l., dlvd. .....lb. .15¾- —
nonchalking,[4] bgs., c.l., dlvd. E..lb. .17½- —
l.c.l., dlvd. .....lb. .17¾- —
plain, bgs., c.l., dlvd.....lb. .15½- —
l.c.l., dlvd. .....lb. .15¾- —
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium base,[4] bgs., c.l., dlvd..lb. .06¼- —
l.c.l., dlvd.....lb. .06¾- —
Calcium base,[4] bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd.....lb. .06¾- —
Calcium - rutile base,[4] bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd.....lb. .06¾- —
Magnesium base,[4] dlvd....lb. No prices
l.c.l., dlvd.....lb. No prices
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse, ¼c. higher.
Tetrachloride, CP, 55-gal. dms., works..lb. .97 - —
smaller pkgs., works....lb. .65 - 1.22
technical, 55-gal. dms., works. lb. .82 - —
smaller pkgs., works.....lb. .40 - 1.00
Tolu balsam, cns.....lb. 4.50 - 4.75
Toluene (see Toluol).
Toluidin base, distilled, kgs...lb. 1.00 - —
Toluol (toluene), 2°, indust., ret.[4] dms., works..gal. .27 - —
tanks, E. of Omaha, frt. alld..gal. .22 - —
West Minnequa, Colo..gal. .22 - —
1°, nitration, ret. dms., works. gal. .27 - —
tanks, E. of Omaha, frt. alld..gal. .22 - —
West Minnequa, Colo..gal. .22 - —
Tonga, 50% bark and vine, bbls. lb. .90 - .91
Tonka beans, Angostura, cks..lb. 1.70 - 1.80
Brazilian, Surinam, cs.....lb. .85 - .90
Totaquine, USP XII, 100-ozs. lots..oz. .52 - —
Triacetin, dms., works.....lb. .26 - —
Triamylamine, dms., c.l., works. lb. .93 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, dms.....lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, dms., l.c.l., frt. alld. E. of Rockies..lb. .95 - —
Tributylamine, dms., c.l., works. lb. .72 - —
l.c.l., works.....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .06 - —
l.c.l., frt. alld.....lb. .06¾- —
tanks, frt. alld.....lb. .07½- —
Trichloroethane, dms., c.l., works. lb. .15 - —
l.c.l., works.....lb. .17 - —
Trichloroethylene, dms., c.l., Zone 1, works, frt. alld..lb. .06 - —
Zone 2, frt. alld.....lb. .06½- —
Zone 3, frt. alld.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —
Trichloroethylene, l.c.l. prices, ½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate, tech., dms., c.l., dlvd..lb. .33 - —
l.c.l., dlvd.....lb. .33½- —
tanks, dlvd.....lb. .32 - —
Triethanolamine, dms., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —
Triethyl phosphate, cns.....lb. .40 - —
Triethylamine, dms., c.l., works, basis 100%..lb. .34 - —
l.c.l., works, basis 100%...lb. .35 - —
tanks, works, basis 100%....lb. .30 - —
Triethyleneglycol, dms., c.l., frt. alld. in E..lb. .13½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, anhydrous, cyl., works, frt. alld. E. of Miss., 100% basis..lb. .35 - —
solution, dms., c.l., frt. alld. E. of Miss., 100% basis..lb. .35 - —
Triphenyl phosphate, bbls., c.l., frt. alld..lb. .31 - —
l.c.l., same basis.....lb. .32 - —
Tripoli, air-floated, bgs., c.l., works..ton.21.50 - —
double-grd., bgs., c.l., works.. ton.17.50 - —
once-grd., bgs., c.l., works.ton.16.00 - —
Trisodium phosphate (see Soda phosphate tribasic)
Tuba root (see Cube root).
Tungsten metal, powd., 98-99.7%, dms., works..lb. 2.60 - 5.40
Oxide, kgs.....lb. No prices
Turmeric root, Alleppey, bls...lb. .18½- .19
Haitian, bls.....lb. .14½- .15
Jamaica, futures, bls.....lb. .15½- .16
Madras, bgs.....lb. .16 - .16½
Turpentine, gum (see Naval Stores, Protective Coatings market).
Wood, d.d., dms. incl. c.l., wks., South..gal. .84 - —
l.c.l., same basis.....gal. .85 - —
tanks, wks., South.....gal. .75 - —
steam-dist., l.c.l., dms., incl. East..gal. 1.26 - —
tanks, East.....gal. No prices
Sulphate, ret. dms.....gal. 1.20 - 1.25

• There are lots of ways. But the most accurate means of gauging the living standard of people might be to find out how great a part CHLORINE plays in their daily lives.

• Medicines, vitamins and sulfa drugs . . . pure water, selective solvents and safe refrigerants . . . white paper and delicate dyes . . . synthetic rubbers and plastics . . . high-grade gasoline, waterproofing and fire-proofing materials—these and many other refinements of our civilization depend on Chlorine and its derivatives.

• Many users know WYANDOTTE CHLORINE and Wyandotte Service. As our standard of living rises—and the demand for Chlorine increases—Wyandotte Chemicals Corporation will supply American industry with more and more of this valuable chemical.

Wyandotte
REG. U. S. PAT. OFF.
Offices in Principal Cities

WYANDOTTE CHEMICALS CORPORATION • Michigan Alkali Division • Wyandotte, Mich.

Soda Ash • Caustic Soda • Bicarbonate of Soda • Calcium Carbonate • Calcium Chloride • Chlorine Hydrogen • Sodium Zincates • Aromatic Intermediates • Dry Ice • Other Organic and Inorganic Chemicals

OPD—12-23-1946 31

JULIUS HYMAN & COMPANY . . .

An organization devoted to the manufacture of Chemical Specialties and to Fundamental Chemical Research is pleased to announce the production of the outstanding insect toxicant

$C_{10}H_6Cl_8$

under the NAME . . .

OCTA-KLOR

THIS chlorinated hydrocarbon insect toxicant was discovered by Dr. Julius Hyman and described by Kearns, Ingle, and Metcalf in the Journal of Economic Entomology (December, 1945) under the designation, "1068".

Facts Concerning Octa-Klor ($C_{10}H_6Cl_8$)

1. $C_{10}H_6Cl_8$ has been widely tested at foremost universities, independent research laboratories, and experiment stations. It has been endorsed by the leaders of the insecticide industry.

2. **Octa-Klor** ($C_{10}H_6Cl_8$) is uniquely effective, its action being much more rapid, and from 3 to 10 times more efficient than DDT in the control of a wide range of household, veterinary and agricultural pests. A comprehensive list of insects susceptible to **Octa-Klor** will be found in our technical book.

3. **Octa-Klor** ($C_{10}H_6Cl_8$) will be available soon in good supply in either of 2 grades, refined and agricultural. Both grades are 95-100 per cent active. Order **Octa-Klor** early for prompt delivery.

4. The availability of **Octa-Klor** ($C_{10}H_6Cl_8$) opens a great new epoch in insect control to the insecticide industry and to the industry's customers.

Complete information about Octa-Klor is contained in our technical book. Request your copy today.

JULIUS HYMAN & COMPANY

DENVER, COLORADO

Eastern Sales Office : 11 West 42nd Street : New York 18, N. Y.

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium,[e] oxide, black, bgs...lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton.68.00 - —
l.c.l., ship. pts.....ton.70.50 -80.00
fertilizer comp., 42% N., bulk, c.l., works or Atlantic or Gulf ports..ton.57.40 - —
fixed ammonia content, usual Atlantic and Gulf ports, NH_3..ton.116.80 - —
imports, pure, cs.....lb. .12 - —
Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton.59.00 - —
fixed ammonia content, Belle W. Va., freight equalized with Hopewell, Va., NH_3 ton.112.80 - —

C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.

Urunday, extract, 65% tannin, ex dock, U.S. ports..lb. .05625-.05975
Uva ursi leaves, bls.....lb. .16 - .19

V

Valerian root, Belgian, NF, bls. lb. .55 - .75
Indian, bls. .....lb. .42 - .52
Valonia, beards bgs. ex dock ton.75.00 - —
Cups, bgs., ex dock.....ton.60.00 - —
Extract, powder, bgs., ex dock, lb. .11½- 11¾
Vanadium pentoxide, CP, bgs., cns., works lb 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb 8.00 - 8.75
Mexican, cuts, tins.....lb 9.50 -10.00
whole, tins.....lb.10.50 -11.00
Tahiti, tins.....lb. 4.00 - 4.25
Vanillin, ex eugenol, tins, 25 lbs. or more..lb. 4.50 - —
smaller lots, tins.....lb. 4.55 - 4.65
ex guaicol, tins, 25 lbs. or more. lb. 3.00 - —
smaller lots, tins.....lb. 3.05 - 3.15
ex lignin, tins, 25 lbs. or more lb. 2.85 - —
smaller lots, tins.....lb. 2.40 - 2.50
Venice turpentine, artif., cns..lb 24 - .26
Verdigris, bbls., bgs.....lb. .22 - .23
Vinyl acetate, cbys., works....lb .25 - —
dms., c.l., works.....lb .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., l.c.l., works.lb .25 - —
Ether, bots., 75 c.c., less 20% and 50%..bot. 1.50 - —
50 c.c., same basis.... bot. 1.05 - —
25 c.c., same basis.....bot. .65 - —
Trichloride (see Trichloroethane)
Vinylpyridin, ret. dms., works.lb. 1.80 - —
Vitamin A (see Oils, codliver, halibut-liver).
B (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
D, activated (irradiated ergosterol), bots., mil., units. .10 - .12
in corn oil (see Calciferol).
Vitamin C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol).
D_2 (see Calciferol).
E (see Alphatocopherol).
G (see Riboflavin).
Nicotinic, and Nicotinamide).
Violet, methyl, toner (see M
V M P naphtha (see Petroleum naphtha

W

Wattle bark, merchantable, bgs., f.a.s..ton.58.00 -59.00
fair average, bgs., f.a.s.. ton.60.00 - —
extract, liquid, 25% tannin, bbls., works..lb. .05¾- .06¼
tanks, works .....lb. .05¼- .05¾
solid, E. Afr., 61% tannin, ex dock..lb. .06¼- .06¾
S. Afr., 62% tannin, ex dock. lb, .06½- .06¾

Wattle extract prices based on $12 freight and $1.00 insurance per long ton.

Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs.....lb. No stocks
Bees, bleached, USP, white, bricks, cakes, cs..lb. .68 - .70
slabs, bgs.....lb. .65 - .68
crude, African, bgs.....lb. .56 - .57
Western hemisphere, bgs.lb. .58 - .60
refined, yellow, bricks, bgs.lb. .62 - .63
slabs, cs.....lb. .61 - .62
Candelilla, crude, bgs.....lb. .78 - .80
refined, bgs.....lb. .82 - .83

Powdered, candelilla, 20 mesh, 5c. per lb. extra, 80 mesh, 5½c.; 100-200 mesh, 6c.

Carnauba, chalky, No. 3, bgs., bgs., ton lots..lb. 1.55 - 1.60
North Country, No. 2, bgs., ton lots..lb. 1.66 - 1.68
No. 2, bgs., ton lots.....lb. 1.62 - 1.64
refined, bgs., ton lots.....lb. 1.71 - 1.73
yellow, No. 1, bgs., ton lots.. lb. 1.90 - 1.92
No. 2, bgs., ton lots.....lb. 1.88 - 1.90

Powdered carnauba prices, same differentials as powdered candelilla.

Wax, ceresin, dom., 132°-136° m.p., bgs..lb. .12½- .13¾
135°-140° m.p., bgs.....lb. .15 - —
158°-162° m.p., bgs.....lb. .19 - .20
Japan, bgs. .....lb. No stocks
Microcrystalline, 170°-175° m.p., A.S.T.M., amber, ctns., 30 tons yearly contract, group 3, works..lb. .14½- —
smaller lots, same basis. lb. .14½- .15½
black, ctns., 30 tons, same basis..lb. .12¾- —
smaller lots, same basis..lb. .13 - .14
white, ctns. 30 tons, same basis..lb. .24¾- —
smaller lots, same basis.. lb. .25 - .30
190°-195° m.p., A.S.T.M., amber, ctns., 30 tons, same basis..lb. .16½- —
smaller lots, same basis. lb. .16½- .17½
190°-195° m.p., ASTM, black, ctns., 30 tons, same basis. lb. .14¾- —
smaller ctns., same basis. lb. .15 - .16
white, ctns., 30 tons, same basis..lb. .20¾- —
smaller lots, same basis. lb. .20 - .30
Montan, crude, bgs.....lb. .54 - .55
Ouricury, crude, bgs., ton lots. lb. .85 - .87
refined, bgs., ton lots.....lb. .94 - .97

Powdered ouricury prices same as powdered candelilla.

Ozokerite, dom., 160-190 F., c.l. lb. .20 - —
160-164 F., bgs., c.l.....lb. .21 - —
160-163 F., bgs., c.l.....lb. .21 - —
Spermaceti, blocks, cs.....lb. .45 - .60
cakes, cs.....lb. .46 - .51
White lead (see Lead, white).
White precipitate, powd., dms., 50 lbs. or more..lb. 2.50 - —
White pine bark, reseed, bls..lb. .33 - .34
Whiting, limestone, dry-grd., 325 mesh, bgs., 40 tons, works, St. Louis..ton.10.50 - —
smaller lots, works, St. Louis..ton.12.50 - —
wet-grd., air-floated, 325 mesh, 99½%, bgs., c.l..ton.14.50 -27.50
200 mesh, 99½%, bgs., c.l. ton. No prices
90%, bgs., c.l.....ton. No prices
water-floated, extra, gilders, bgs., c.l..ton.14.50 -28.00
gilders, bgs., c.l.....ton. No prices
putty grade, bgs., c.l..ton.13.00 - —
surface treated, bgs., c.l., Ohio, works..ton.27.50 - —
Paris white, bgs., c.l.....ton.25.00 -31.00
l.c.l. .....ton.25.00 -30.00
precipitated, bgs., c.l.....ton.14.00 -15.00
l.c.l. .....ton.16.00 -20.00
Wild cherry bark, thick, bls..lb. .06 - .07
thin, natural, bgs.....lb. .15 - .20
rossed, green, bls.....lb. .20 - .21
Wild indigo root, bls.....lb. .22 - .30
Witch-hazel leaves, bls.....lb. .20 - .22
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y..ton. No prices
60 mesh, same basis.....ton. No prices
80 mesh, same basis.....ton. No prices
100 mesh, same basis.....ton. No prices
Woodflour, in bags, 25c. each extra, returnable.
Wormseed, American, bgs.....lb. .20 - .27
Levant, bgs.....lb. 4.25 - 4.50
Wormwood, bls. .....lb. .50 - .60

X

Xantherrhiza, bls.....lb. .28 - .30
Xylidin, mixed, dms.....lb. .38 - —
Xylene (see Xylol).
Xylol (xylene), indust., ret. dms., works..gal. .27 - —
tanks, E. of Omaha, frt. alld..gal. .23 - —
West Minnequa, Colo..gal. .22 - —
10°, ret. dms., works.....gal. .30 - —
tanks, E. of Omaha, frt. alld..gal. .28 - —
8°, ret. dms., works.....gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .32 - —
3°, ret. dms., works.....gal. .42 - —
tanks, E. of Omaha, frt. alld..gal. .37 - —

Y

Yara yara, cryst., bots., cns..lb. 1.62 - 1.75
Yeast, brewer's dry, 50 B units, dms..lb. .25 - —
90 B units, dms.....lb. .45 - —
200 B units, dms.....lb. .50 - —
800 B units, dms.....lb. .60 - —
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul..lb. .23 - —

Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.

Benzidin, bbls., dlvd.....lb. 1.45 - —
Cadmium, lithopone, all shades, bbls., frt. alld. E. of Rockies..lb. .55 - .60

Los Angeles and San Francisco, ex whse., 1c. per lb. higher.

Chrome, CP, bbls., dlvd. N. Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts.. lb. .23½- —

Chrome, CP, bbls., dlvd. Ala., Fla., Ga., La. (Shreveport), 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1½c. higher; Ft. Worth, Tex., 1¾c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis as chrome..lb. 1.48 - —
primrose, bbls., same basis.lb. 1.90 - —
Iron oxide, nat., bbls., c.l., Bethlehem, Easton, Pa.. lb. .04½- —
l.c.l., same basis.....lb. .05 - —
synthetic, bbls., c.l., works. lb. .0625- —
l.c.l., works.....lb. .0710- —
Mercury oxide, bbls., 1,000 lbs. lb. 2.42 - —
smaller lots.....lb. 2.45 - —

"Pittsburgh"

SPECIALISTS IN CHEMICALS DERIVED FROM COAL, TAR AND BY-PRODUCT GAS

Unlocking the chemical treasure house of coal, and extracting and recovering its multifold components for the uses of science, industry and commerce, is the business of Pittsburgh Coke & Chemical Company.

Here modern plant facilities, earnest and foresighted research, favorable shipping location and advantageous sources of supply combine to assure you of dependable, uniform, quality chemicals.

Expanding volume and range of products and increasing capacities make *Pittsburgh* better able to serve you than ever. Our technicians will welcome an opportunity to discuss your needs.

"PITTSBURGH"
Coke and Chemical Products

AROMATIC HYDROCARBONS:
BENZOL, TOLUOL, XYLOL, NAPHTHALENE
TAR ACIDS: PHENOL, CRESOLS
SULPHURIC ACID: ALL GRADES
TAR, PITCH and CREOSOTE
SULPHATE OF AMMONIA
TAR BASES: PYRIDINE, PICOLINES
SODIUM CYANIDE · SODIUM THIOCYANATE
ACTIVATED CARBONS

OTHER PRODUCTS:
NEVILLE COKE—EMERALD COAL—PIG IRON—GREEN BAG CEMENTS—CONCRETE PIPE—LIMESTONE PRODUCTS—IRON ORE

INQUIRIES INVITED

CHEMICAL SALES DIVISION
Pittsburgh Coke & Chemical Company
Grant Building · Pittsburgh 19, Pennsylvania

Yellow ocher, American, golden, bbls., works	lb.	.04½-	.05½
yellow, bbls., works	lb.	.05 -	.05½
French type, bbls., c.l.	lb.	.0545-	—
l.c.l.	lb.	.0605-	—
Persian orange (see O).			
Zinc, bbls., same basis as chrome	lb.	.17½-	—
Yellow, zinc, Navy spec. type, bbls., contract	lb.	.19 -	—
Yellow dock root, bls.	lb.	.33 -	.40
Yellow xanthorrhiza (see Xanthorrhiza).			
Yerba santa leaves, bls.	lb.	.30 -	.32
Yohimbine hydrochlorides, vis.	oz.	3.75 -	4.00

Z

Zein, bgs., 1,000 lbs., works	lb.	.35 -	—
smaller lots, bgs.	lb.	.40 -	—
Zinc acetate, tech., bbls., dlvd.	lb.	.18 -	.21
USP, bbls.	lb.	.26 -	.27
kgs.	lb.	.27 -	.29
Arsenite, bgs., c.l., frt. alld. E. of Rockies	lb.	.11¾-	.12¼
l.c.l., same basis	lb.	.12¾-	.13½
Borate, bgs., c.l.	lb.	.12 -	—
Carbonate, tech., rubbermakers' grade, bbls., works	lb.	.09¾-	.10¾
USP, precip., powd., bbls.	lb.	.35 -	—
dms.	lb.	.40 -	—
kgs.	lb.	.37 -	—
Chloride, tech., fused, dms., c.l., works	100 lbs.	5.00 -	—
l.c.l., works	100 lbs.	5.55 -	—
gran., dms., c.l., works	100 lbs.	5.75 -	—
l.c.l., works	100 lbs.	6.50 -	—
solution, 50%, dms., c.l., works	lb.	.0615-	—
l.c.l., works	lb.	.0645-	.0695
tanks, works	lb.	.0525-	—
USP, dms	lb.	.32 -	.34
jars	lb.	.35 -	.36
Chromate (see Yellow, zinc).			
Cyanide, kgs., works	lb.	.26 -	.27
Dust, bbls., c.l., dlvd.	lb.	.1250-	.1290
l.c.l.	lb.	.1295-	.13
Fluoride, bbls., works	lb.	.18 -	.19
Hydrosulphite, dms., works	lb.	.16 -	—
Iodide, NF, jars	lb.	4.65 -	—
Laurate, bbls.	lb.	.23 -	.30
Metal (quotations in Protective Coatings market).			
Naphthenates, 8%-10% Zn, dms.	lb.	.17½-	.21½
Oxide, pigment, dom., acicular, bgs., c.l., dlvd.	lb.	.09 -	—
l.c.l., works	lb.	.0914-	—
American process, com'l, lead-free, bgs., c.l., dlvd.	lb.	.09 -	—
l.c.l., works	lb.	.0914-	—
leaded, 5%, bgs., c.l., dlvd.	lb.	.09 -	—
l.c.l., works	lb.	.0914-	—
35% or more, bgs., c.l., dlvd.	lb.	.10¼-	.10½
l.c.l., works	lb.	.10½-	.10¾
50%, bgs., c.l., dlvd.	lb.	.10¾-	.11¼
l.c.l., works	lb.	.11 -	.11½
French process, com'l, lead-free, bgs., c.l., dlvd.	lb.	.11¼-	—
l.c.l., works	lb.	.11½-	—
green seal, bgs., c.l., dlvd.	lb.	.10¾-	—
l.c.l., works	lb.	.11 -	—
white seal, bgs., c.l., dlvd.	lb.	.11¼-	—
l.c.l., works	lb.	.11½-	—
red seal, bgs., c.l., dlvd.	lb.	.10¾-	—
l.c.l., works	lb.	.10¾-	—
USP, ctns., c.l., dlvd.	lb.	.12¾-	—
l.c.l., works	lb.	.13½-	—
Zinc oxide Pac. Coast prices ½c. higher; bbl. prices ¼c. higher than bgs.			
Resinate, fused, 1% Zn, lump, precipitated, 5.40% to 9% Zn, powd., dms.	lb.	.13 -	—
Silicofluoride, bbls.	lb.	.15 -	.16
Stearate, tech., ctns., 2,000 lbs. to c.l.	lb.	.42 -	.49
smaller lots, same basis	lb.	.50 -	—
USP (same prices as tech.).			
Sulphate, cryst., bgs., c.l., works, frt. alld.	100 lbs.	3.40 -	—
l.c.l., same basis	100 lbs.	4.15 -	—
flake, bgs., c.l., same basis.	100 lbs.	3.90 -	—
l.c.l., same basis	100 lbs.	4.55 -	—
powd., bgs., c.l., same basis.	100 lbs.	5.35 -	—
l.c.l., same basis	100 lbs.	6.10 -	—
Zinc sulphate, in bbls., 25c. higher.			
Sulphide, pure, bgs., c.l., dlvd.	lb.	.0914-	—
l.c.l., works	lb.	.0974-	—
Barium pigment, works, bgs., c.l., dlvd.	lb.	.0614-	—
l.c.l., works	lb.	.0674-	—
Fluorescent pigment, works, frt. alld.	lb.	1.00 -	2.00
Magnesium pigment, bgs., c.l., dlvd.	lb.	.0614-	—
l.c.l., dlvd.	lb.	.0674-	—
Zinc sulphide and pigments, Pac. coast prices ½c. higher; bbl. prices ¼c. higher than bgs.			
Sulphocarbolate, NF, gran., bbls., dms.	lb.	.28 -	.30
Sulphoxylate formaldehyde, basic, dms., works, frt. alld.	lb.	.17 -	—
normal, dms., works, frt. alld.	lb.	.35 -	—
Tallate, 8% Zn, dms.	lb.	.0974-	—
Yellow (see Yellow, zinc).			
Zinc-ammonia chloride, dms., c.l., works	100 lbs.	5.65 -	—
l.c.l., works	100 lbs.	6.70 -	—
Zinc-cadmium sulphide, fluorescent, ctns., works, frt. alld.	lb.	2.00 -	2.20
Zinc-iron oxide pigment, bgs., c.l., dlvd.	lb.	.0774-	—
l.c.l., dlvd. E. of Rockies	lb.	.0814-	—
Pac. cst.	lb.	.0814-	—
ex whse., Pac. cst.	lb.	.0874-	—
Zirconium acetate, solution, bbls., works	lb.	.2514-	—
Hydride, ctns., works	lb.	7.00 -	8.00
Nitrate, bgs., works	lb.	3.00 -	4.00
Oxide, 99%, grd., bbls., c.l., works	lb.	.2214-	—
l.c.l.	lb.	.2374-	—
white, 99½%-99%, grd., bgs., works	lb.	.20 -	—
milled, electric, fused, 2,000-9,999 lbs., works	lb.	.46 -	—
500 lbs. and less, same basis	lb.	.4974-	.49
Oxychloride, cryst., bbls., 5 tons, works	lb.	.2014-	—
Sulphate, basic, cake, bbls., c.l., works	lb.	.13 -	—
l.c.l., works	lb.	.1374-	.20
smaller lots, works	lb.	.20 -	.2114

Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials was printed in the Dec. 2 issue of OPD.

U.S. German Zone Has 70% of Fertilizer Needs

OPD Washington Bureau

In its monthly summary of operations for August in the U. S. zone of occupied Germany, the Military Governor has reported to the War Department that it was expected that there will be enough nitrogenous fertilizer to meet about 70 percent of requirements of the zone during the 1946-47 growing season, although prospects of securing adequate amounts of phosphate to balance available nitrogen are still poor.

The production capacity of potash mines in the zone is more than sufficient to meet requirements, it was added, however, on account of low food rations, shortage of coal and a high rate of absenteeism among miners, the present level of production is slightly below the required amounts.

Fertilizer Trade Spokesmen Protest Proposed Plant

Representatives of fertilizer manufacturers, salesmen engaged in the distribution of plant food, and spokesmen for farmers' cooperatives, met in the Lord Baltimore hotel, Baltimore, December 14, to protest against the proposal to establish a government fertilizer plant at Memphis, Tenn.

The proposal, which was defeated in Congress last summer, is expected to be presented again when Congress convenes.

The meeting, which was presided over by Walter Rupp, of the Baugh Chemical Company, Baltimore, protested the use of government funds for the construction of a plant which will compete with private industry.

Pa. Salt Insecticides To Be Sold by Grocers

The household products division of the Pennsylvania Salt Manufacturing Company, Philadelphia, will start on January 1 selling to grocers a complete line of DDT insecticides for home and garden use.

Midcontinent Oil & Gas Association's Louisiana-Arkansas division has elected Sam S. Caldwell, Mayor of Shrevesport, as its executive vice-president and secretary-treasurer.

Krug Streamlines Land Management Bur.

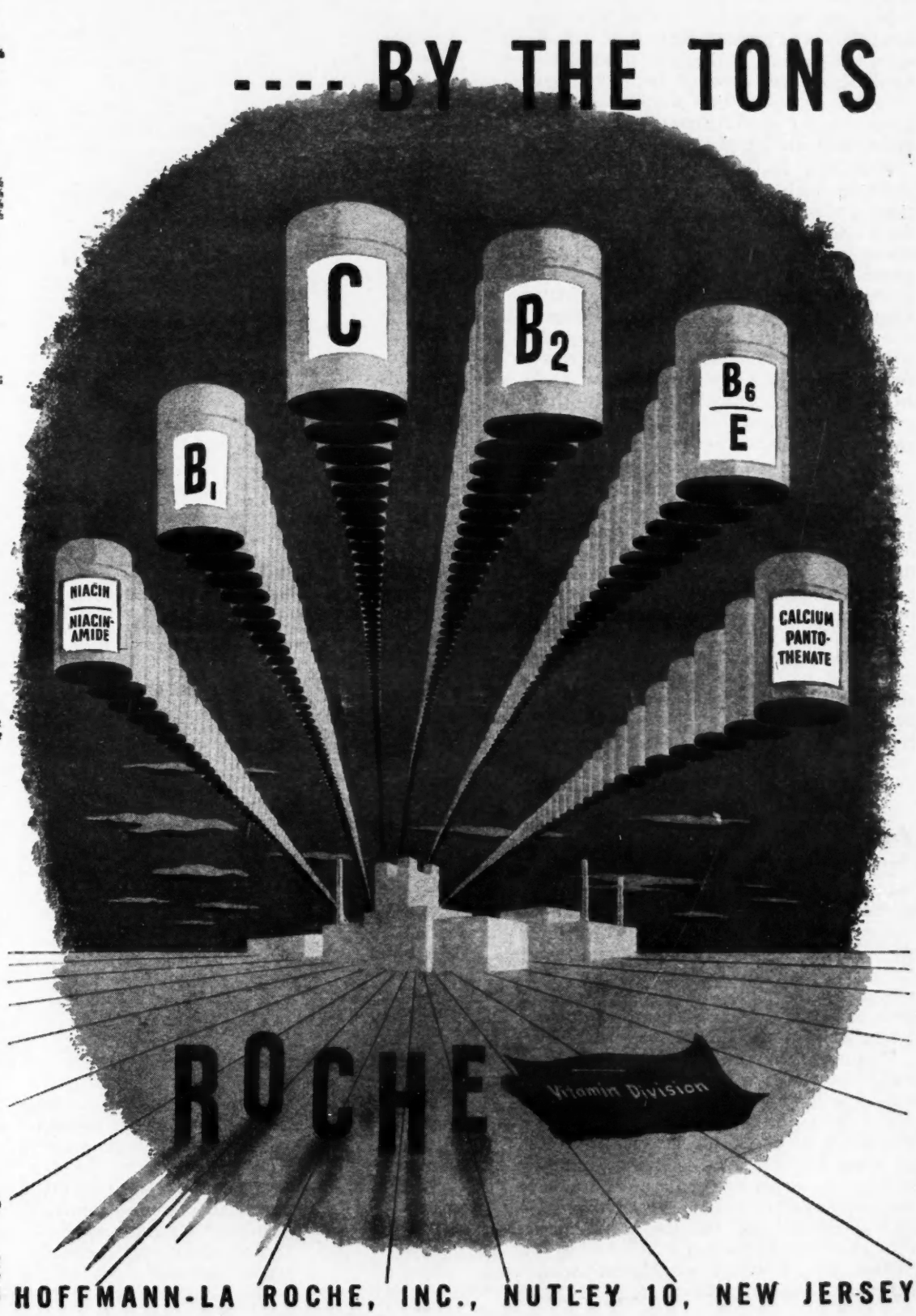
OPD Washington Bureau

Secretary of the Interior J. A. Krug has approved a decentralized and streamlined organization of the bureau of land management for greater speed and efficiency in the administration of approximately 400,000,000 acres of Federal public land in the United States.

The new bureau was established last July through consolidation of the former general land office and the grazing service in the department.

The organization plan of the bureau of land management provides for the establishment of seven regional offices in the United States and Alaska, with broader authority and responsibility than before for quick decisions on administrative matters. The Washington office structure includes six branches.

Mr. Krug said that he has requested the plan be put into effect as rapidly as possible and he hoped that regional offices in Portland, Ore., and Salt Lake City may be established by the first of the year.



OPD—12-23-1946 34

Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison
Directed 1900-1942, by Harry J. Schnell
Incorporating Drug, Paint and Oil Trade, The New York Drug Bulletin, The Weekly Drug News, New York Druggists' Price Current, The Soap Makers Journal, Oil and Paint Review, and International Petroleum Reporter.
Member of Audit Bureau of Circulations
Copyright 1946 by
Schnell Publishing Company, Inc.
William S. Auchincloss, *President*
59 John Street, New York 7, N. Y., U. S. A.
Telephone: REctor 2-9820; Cable Address: Reporter, New York

Volume 150 December 23, 1946 Number 26

Business Pays for It All

It was well within the present century when the public was heavily headlined with the fact that Congress had laid a billion-dollar budget upon the taxpayers of the nation. The dollar is not, in terms of buying power, what it was in those days. But, even in the wake of hundreds of billions of war-spending, there is something beyond the ordinary powers of comprehension in the hopeful declaration of the postwar planning committee of the House of Representatives that a Federal budget of no more than $30,000,000,000 would be "realistic" for the next fiscal year and should be recommended by the administration.

In congressional parlance, "realistic" apparently is a most elastic term. Very few, indeed, if any, taxpayers can have even the faintest realization of $30,000,000,000. None, certainly, can conceive what the Federal government actually needs to do today, that would entail an increase of 2,900 percent in the cost of governing since a "Billion-Dollar Congress" first startled the public.

It is time that the businessmen of the nation made a thorough analysis of the cost of government. There is more than a passing truth in the recent averment of a Federal fiscal official that he considered "the inordinate heights of the cost of government—Federal, State, and local—as the single greatest threat to democracy today." Thorough analysis is necessary because observers within the ranks of business are already suggesting ill-considered steps toward reduction of Federal expenditures. They would have the savings start with reductions in appropriations for national defense. They are lending themselves, unthinkingly perhaps, to the increasing probability that the United States is again going to be caught in the flim-flam of disarmament. Experience certainly has some dumb pupils!

It is most interesting—and quite pertinent—in any analysis of the cost of government to know that, of the 2,118,984 civilians on the Federal payroll October 31, only 224,743, or 10.6 percent, were located in Washington. Reduced to terms of essential Federal governmental functioning, that is far too large a headquarters staff. But, its significance is slight in comparison with the 1,894,241 who work (?) in the branch offices or on the road—where the votes are. The big cost, however, is not in the payroll; it is in the gift list.

The cost of Federal government is at least three times as much as it should be. It adds, wholly without logical justification, tens of billions of dollars, yearly, to the cost of business—because business must pay for it. It is becoming increasingly imperative that business demonstrate undeniably that it can get much more for that money for everybody and insist on keeping it for such use.

Job for Nomenclators

The continually widening development—discovery or invention—of organic chemical compounds has taken the task of naming these materials into such an expansive maze of polysyllables that the possibilities of their practical value are wrecked. Hence it is, with the endeavor to transport the complicatedly composed molecules from laboratory to utilizer by way of factory and store, that there has come into popular use a system of identification reminiscent of the cattle brands in the days of the open range.

This useful terminology has the drawback of too widely varied popularity. Unless one be broadly and currently versed in its interpretation, it is impossible to tell whether a soundless combination of letters, with or without figures, designates an insecticide or an airplane, a weedkiller or a governmental agency. Small wonder that publication is announced of an encyclopedia of abbreviations and symbols. The semantics of the new "shorthand" is as confused as that of double-talk, and the normal processes of lexicography are greatly inadequate.

How simple was nomenclature when such names of chemical compounds as "water," "sugar," "alcohol" were invented! How meaningless, in a scientific sense, are most of such simple terms today! Adam had an easy task when he was called upon to name the beasts of the land and the birds of the air and the fishes of the water. Etymology, or any other branch of philology, bothered him not at all. Of linguistics, he knew nothing, and cared less. He was a nomenclator.

There is a movement underway to devise a more adequate successor for the Geneva system of notation for organic chemistry. Its purpose is of interest and importance to those who must burden themselves with explanatory designations of multipartite molecular structures. But, to be practical, organic chemistry needs names like "glycerin," "aspirin," "gammahexane"—and it needs them without trademark proscriptions. The chemical industry would do itself—and everybody else—a deal of good by setting up a corps of nomenclators to meet that need.

Washington Talks It Over

—*Continued from page 5*

in a few weeks and only a few will be left to continue to the end of March, when the second war powers act expires. General Fleming continues as head of the Federal Works Agency and receives no salary from his new job, which is another indication that most existing controls are temporary as the name of the new office implies.

Probabilities are that inventory controls, which don't really hurt anyone anyway and do prevent hoarding and further unbalance of the economy, will remain until March 31. Some export controls will continue to prevent essentials from being drained off into higher-price markets abroad, but most others will go. New legislation will be asked to continue a few special controls after March 31, such as tin and use of natural and synthetic rubber, but the legislation will be selective and specific.

Federal Bureaus Going Home

The Labor Department's wage-and-hour and public contracts division, which have been located in New York throughout most of the war, are returning to Washington about the middle of February.

These officers were moved from Washington in February, 1942, to permit expansion of war emergency agencies. The housing and personnel arrangements for employees have been canvassed thoroughly, and approval of the Bureau of the Budget and other interested agencies for the move has been obtained by the department.

The Patent Office, which had been sent to Richmond, Va., during the war to make room for the war agencies, has already begun its return to Washington.

Caustic Soda Ties Textiles

Unless the government can find some way of breaking the bottleneck, there is no certainty that the supply of textile materials will be much easier next year that it was this year. Caustic soda is the bottleneck. Its lack is interrupting operations of textile finishers, with the result that grey goods are stacking up in the hands of the mills.

The problem has become of major concern in CPA circles, now the Office of Temporary Controls. Not that it wasn't bad enough because there isn't enough caustic soda to meet all needs, but the problem for the textile industry has been made even more acute, officials say, because two of the suppliers of the material have decided they don't want to do business with the mills in the Southeast any more.

It isn't the intention of the government, however, to permit those mills to do without caustic. It has a directive in hand to see that some of the needs of the mills are met—even if the stuff has to be taken away from somebody else.

DDT Claims Scrutinized

Sellers of DDT making exaggerated claims for this warborn insecticide had better watch their step. The Federal Trade Commission has its agents out looking over these claims and some crackdown orders are in the making.

While it is conceded that DDT is a mighty good insecticide, it has its limitations like everything else. It won't kill every type of bug there is and its killing powers don't last indefinitely. Gimbel Brothers, Inc., New York, is the first to feel the hand of FTC in the drive for misrepresenting the effectiveness of an insecticide spray containing DDT and pyrethrum.

The firm agreed in a stipulation to stop representing that the product will kill all types of insects; that its effectiveness continues long after application; or that crawling insects are killed by spraying the product for six to eight seconds.

Mineral Survey Intensified

The Geological Survey is making a search for new mineral deposits on a scale even larger than that attempted during the war. Searching parties are going over every foot of ground in the country to record everything they find that might add to the present store of knowledge of what we have in this country.

The search is part of a twenty-year program that started before the war, but renewed emphasis has been placed upon it because of the vast amounts of raw materials consumed during the war, leading to the belief that we will become a "have not" nation in many minerals in the not too distant future. The geologists are an optimistic lot and refuse to believe some of the estimates that have been made recently of how depleted we are in some critical materials.

It is a job that only the government can undertake. While private industry itself is always making searches for new deposits of the materials that it particularly needs, it is conceivable that a lot of material of no immediate value is overlooked, for the simple reason that the deposit doesn't appear large enough to warrant the expense of mining. Such deposits, however, might be of vital interest sometime in the future and it is best to know where they are even if not needed for 100 years.

Patent Exchange Revived

Operations under the international patent convention for the exchange of patents with foreign countries, interrupted during the war, are rapidly getting back to normal. The Patent Office is now sending to the countries on the exchange list not only copies of all patents currently issued, but is also supplying as rapidly as possible copies of some 125,000 patents issued during the period when communications were broken off.

Prior to the war the United States regularly exchanged copies of patents with sixteen countries: — Australia, Austria, Belgium, Canada, Czechoslovakia, Denmark, France, Germany, Great Britain, Hungary, Japan, Mexico, the Netherlands, Norway, Poland and Sweden. During the war the exchange was interrupted with all countries except Australia, Canada, Mexico, Great Britain and Sweden. Exchange agreements have now been resumed with all the countries, except Hungary and Japan, and two new countries have been added to the list, Switzerland and Finland.

The various foreign countries are likewise now sending the United States Patent Office copies of all of their current patents as well as copies of all patents issued during the war period, insofar as possible. These may be seen in the Patent Office Library.

Greeting you once again
with the
wish that never grows old
... Merry Christmas

CHAS. PFIZER & CO., INC.
Manufacturing Chemists since 1849
81 Maiden Lane, New York 7, N. Y.
444 West Grand Avenue, Chicago 10, Illinois
605 Third Street, San Francisco 7, California

Government-Owned Surplus

WATER AND FUNGUS RESISTANT COMPOUND

J.Q.D.135

Approximately 1,000,000 Gallons

J.Q.D. 135 is a liquid compound used during the war for treating canvas duck which gives it a Khaki or Olive Drab Color. The treated fabric becomes resistant to mildew, rot, fungus growth, and in addition is also fire retardant and water proof. Each gallon contains approximately 3½ lbs. non-volatile matter, and duck, when treated with J.Q.D. 135 will absorb approximately 50% of its own weight.

J.Q.D. 135 can be used for waterproofing paper, cardboard and corrugated board, also for treating wood in which both the waterproofing and fungicidal properties of materials are required.

PACKAGING: Steel drums, 55 gallon capacity

Minimum quantity: One carload or regional inventory if less. This material is offered, as is, subject to the right of inspection by the prospective purchasers at its location. No warranty is made, either expressed or implied except as to title.

The material is available for sale at the following War Assets Administration Offices in these approximate quantities:

REGIONAL WAA OFFICES	GALLONS
BIRMINGHAM	58,230
CLEVELAND	3,935
DENVER	1,408
FORT DOUGLAS	2,500
NASHVILLE	962,652
NEW ORLEANS	740
SAN FRANCISCO	30,791
SPOKANE	340

BIDS to purchase all or any part of the above material, f.o.b. location WILL BE ACCEPTED UNTIL NOON, JANUARY 30, 1947,

by the regional office having the inventory. War Assets Administration reserves the right to reject any or all bids; to make awards in whole or in part; or to extend the period of the sale. Material is subject to withdrawal prior to contract.

RESERVE FOR PRIORITY CLAIMANTS:

This material is offered for sale in the following sequence as provided by law: (1) Certified Veterans of World War II; (2) Subsequent priority claimants in proper sequence; (3) Non-priority purchasers. Federal agencies have had opportunity to fulfill their needs. Veterans of World War II should apply to their nearest War Assets Administration certifying office for certification. The case number shown on the certification, the date of the certificate, and the location of the certifying office must be stated in a veteran's offer to purchase.

Priority purchasers are entitled to purchase surplus property at the fair value thereof. The fair value of this material for priority claimants will be determined by an analysis of bids submitted by non-priority bidders and will be the lowest price at which this material will be awarded to a non-priority bidder. Bids or offers to purchase should be submitted by priority claimants up to noon, January 30, 1947, in accordance with the above, and thereafter WAA will advise priority claimants submitting bids of the fair value of the material as stated above.

Mark your envelope "BID TO PURCHASE J.Q.D. 135 NSP 2004" and address it to the nearest Regional Office having the inventory.

WAR ASSETS ADMINISTRATION

911

(L)

Our large stocks and rapid service are your protection against waits for chemicals—waits that mean delays in your deliveries to your customers. Through more than 26 years Thompson-Hayward facilities have expanded until we now offer over 1,500 basic chemicals and products manufactured by leading American industries. We deliver promptly from our 16 conveniently located offices and warehouses.

Here Are a Few of the Companies We Represent

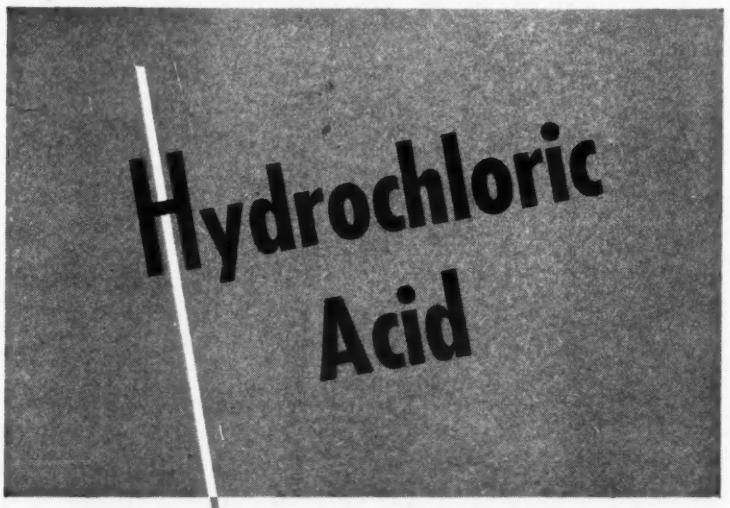
ALUMINUM CO. OF AMERICA
Sodium Fluoride
AMERICAN BITUMULS COMPANY
Gilsonite
COLGATE-PALMOLIVE-PEET COMPANY
Glycerine, Laundry Soaps
GOULD WITCH HAZEL COMPANY
Witch Hazel
SOUTHERN SHELLAC MFG. COMPANY
Cut Shellacs
KOPPERS COMPANY, White Tar Division
Naphthalene

Write for Complete Details and Prices

(13)

THOMPSON-HAYWARD CHEMICAL COMPANY
2915 SOUTHWEST BLVD. KANSAS CITY, MISSOURI

Omaha, Chicago, St. Louis, Des Moines, Minneapolis, Tulsa, Denver, Wichita, Memphis, Oklahoma City, Dallas, Houston, San Antonio, Davenport, New Orleans



BAY CHEMICAL COMPANY
INC.
NEW ORLEANS 9, LA.

Heavy Chemicals

Buying interest was active for future shipments of soda ash, caustic soda and all affiliated alkali chemicals during the past week. In almost every instance the consumer wanted more than it will be possible to deliver in 1947 and producers have been busy in adjusting distribution on equitable basis. In some of the other chemicals, the naming of higher prices appeared to dampen buying enthusiasm temporarily and there was a slight tendency to back away from the markets. The stringency in soda ash has kept down the production of chemicals where this base is essential and the same condition has resulted from the tight position of chlorine. Meanwhile, the pressure for shipments has steadily increased. Possibility of any easement in stocks is not in sight at present and it is apparent that many inventory shelves will be cleared of supplies at the turn of the year. The shortage of containers has interrupted the movement from works, the scarcity ranging from glass carboys to tankcars.

Most of the price changes announced during the past month will become effective January 2. The additions last week included a 2c. a pound advance in formic acid and 1¼c. a pound advance in oxalic acid. Conditions prevailing in acetic acid suggest higher prices shortly. Antimony metal has advanced sharply forcasting a further increase in the price of antimony chemicals. Some suppliers have marked up quotations for antimony oxide while others were not ready to make an announcement up to the close of the week. The barium chemicals are slated for higher levels after the turn of the year. It is expected that the new producer of zinc sulphate will start operations next month. Chlorate of potash, perchlorate of potash and chlorate of soda will go over the turn of the year without price change.

Paper production as a percentage of six-day capacity was 106.7 in the week ending December 13, according to the American Paper and Pulp Association. This compares with 106.6 the previous week and 99.0 percent a year ago.

Ammonia Liquor—October production was placed at 4,636,635 pounds by the Bureau of Mines, compared with 4,480,669 pounds in September. Production for ten months, January through November, amounted to 40,689,621 pounds, against 46,143,400 pounds for the same period in 1945. Stocks at the end of October amounted to 1,370,890 pounds, compared with 1,817,323 pounds on September 30.

Antimony Metal — Another sharp advance has been recorded in this metal during the past week. Suppliers named 29⅜c. a pound as the inside price for carlots with a range upward to 30c. a pound.

Antimony Oxide — Slated for a higher price level to cover the inincreased cost of production. All suppliers had not revised their selling schedule by the end of the week. In one major selling quarter the market for the ceramic grade was quoted at 23c. and the paint grade at 25¾c. both in bags carlot shipments from works.

Antimony Sulphide—Expected to be adjusted to a higher selling basis to cover the increased cost of production but no announcement has been made to date.

Arsenic — Consuming demand has continued far enough ahead of production to keep the market in a definitely tight condition. Producers are firm at 6c. a pound for carlot shipments from works.

Barium Chloride — Expected to be established at higher selling levels for 1947 shipments. No announcement has been made by producers to date.

Carbon tetrachloride—A major producer will advance the selling price at the beginning of the year. In this instance the selling schedule will be revised from a gallon to a pound basis and the market will be ½c. a pound higher.

Copper—Production of crude copper in November was placed at 73,920 tons by the Copper Institute. Production for 11 months totaled 572,582 tons. Output of refined copper in November was 75,066 tons, compared with 77,947 tons in the preceding month. Production for eleven months ending November 30 registered 526,493 tons, against a yearly output of 843,113 tons in 1945. Stocks of refined copper at the end of November were 90,896 tons, compared with 91,161 tons on October 31.

Copper Sulphate—Agricultural demand has continued heavy since the turn of the month with a desire for prompt shipments. This condition is unusual for this period of the year and has prevented the stockpile from showing the ordinary seasonal expansion. Industrial demand has remained steady and there has been a substantial increase in the export inquiry since restrictions were relaxed. Major producing companies are operating at capacity and the market position is decidedly firm.

Glauber's Salt — Production increased slightly in October, according to the Bureau of the Census. The total was 15,316 tons, compared with 13,455 tons in September.

Manganese Carbonate—Supply has been kept at a level to permit prompt shipments from works. Prices are firm and without change with demand about normal for this season of the year.

Manganese Chloride—Firm under a fair miscellaneous consuming inquiry covering the chemical, dye and fireproofing trades. No change in prices was recorded.

Manganese Dioxide — Production has continued to meet consuming requirements on a fairly prompt basis. The chemical, dye and paint industries have shown seasonal interest. No price changes have taken place.

Nickel—World deliveries of Canadian nickel in all forms in 1946 will compare favorably with those of 1945 despite reconversion conditions and labor difficulties, according to an official of one of the major producing companies. Demand for nickel has been expanding in the past few months and deliveries in the fourth quarter will be substantially higher than the corresponding period of last year. Price increases have been necessary in order to partially offset substantial cost advances during recent years in the operations of mining, smelting and refining of nickel. The steel industry continued to be the largest buyer. It is estimated that over half the nickel consumed by the steel industry in 1946 was used in stainless steels. Post-war manufacture has been resumed of stainless steel beer barrels. Preference is being shown for the stainless steels for many applications in the air-conditioning, heating, plumbing, chemical, paper and pulp, textile, marine, petroleum and food processing industries, where substantial quantities were consumed during this year.

Nickel Carbonate — Difficulty in securing soda ash has slowed down production and shipments are somewhat behind schedule. Market position firm and tight with no further change in price noted.

Nickel Chloride—Production cutback temporarily by inability to obtain full shipments of muriatic acid. Supply position tighter with market firm.

Nickel Sulphate — Supply position has shown improvement and possibly better than at any time during the year. Major producers have made progress in leveling off backlog orders and shipments are coming

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Antimony metal, 4½c. per lb.

Prices Reduced

None

Comparative Price Indexes

General Chemicals

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
184.5	184.5	178.7	168.9

Acids

Last week.	Prev. week.	Last month.	Last year.
116.3	116.3	116.3	116.0

(For Current Prices see Page 9)

COLUMBIA
CAUSTIC SODA
AND OTHER INDUSTRIAL CHEMICALS
BOSTON CHARLOTTE CHICAGO CINCINNATI CLEVELAND
PITTSBURGH PLATE GLASS COMPANY
COLUMBIA CHEMICAL DIVISION
FIFTH AT BELLEFIELD • PITTSBURGH 13, PA.
MINNEAPOLIS NEW YORK PHILADELPHIA SAN FRANCISCO ST. LOUIS

SILICATE OF SODA
40° and 60°
EXPORT - DOMESTIC
TURPENTINE - LINSEED OIL - MINERAL SPIRITS
CHAS. L. READ & CO., Inc., 120 Greenwich St., NEW YORK 6, N. Y.
Telephone COrtlandt 7-8865

Faesy & Besthoff, Inc.
ZINC SULPHATE
POWDERED CRYSTALS
220 EAST 42nd STREET, NEW YORK CITY. CABLE: TRUFABEST

FINEST QUALITY
BICARBONATE OF SODA
SAL SODA (Carbonate of Soda Crystals)
MONOHYDRATE OF SODA
CHURCH & DWIGHT CO., Inc.
70 PINE STREET Phone Digby 4-2181 NEW YORK 5, N. Y.

TURNER CHEMICALS
CHLORATE OF POTASH
JOSEPH TURNER & CO
RIDGEFIELD, NEW JERSEY
83 EXCHANGE PLACE PROVIDENCE, R. I.
435 N. MICHIGAN AVE CHICAGO, ILL.

MERCHANTS CHEMICAL COMPANY, INC.
INDUSTRIAL CHEMICALS
60 East 42nd Street, New York 17, N. Y.

CORDO-FLEX®
(strip type coating)
Apply it • Dry it • Store it • Ship it • Strip it
PROTECTS—Equipment, dies, moulds, etc., in storage or transit.
Available in clear and colors — Immediate delivery — Write for literature
®Licen e rights acquired.

THE MERCHANTS CHEMICAL COMPANY
AFFILIATED COMPANIES:
CHICAGO (11)—435 North Michigan Avenue
CINCINNATI (2)—216 Elm Street
DETROIT (16)—1627 West Fort Street
MILWAUKEE (4)—1100 South Barclay Street
MINNEAPOLIS (2)—110 N. E. Sixth Street
OMAHA (8)—702 South 10th Street

Manufacturers of
Red and Black COPPER OXIDE
COPPER SCALE
ROBERT A. COUPE, 260 Rhode Island Ave., Pawtucket, R. I.
Telephone PErry 3354

→ PHENYL ACETONE
→ DIBENZYL KETONE
→ CRESYLIC ACID
SWOPE OIL AND CHEMICAL COMPANY
Office and Warehouse: 3303-33 RICHMOND ST., PHILADELPHIA 34, PA.

CHARLES HARDY INC.
Barytes
Bentonite
420 LEXINGTON AVENUE NEW YORK 17, N.Y.

We Want to Buy....
AMYL ACETATE
ARSENIC WHITE
CHLORINATED RUBBER
DINITROPHENOL
DRY COLORS
FILM SCRAP
METHYLENE CHLORIDE
NICKEL SULFATE
NITROCELLULOSE
PARADICHLOROBENZENE
SODIUM PHOSPHATE
SODIUM PYROPHOSPHATE
SULFUR
TITANIUM DIOXIDE
UREA
ZINC SULFIDE
PLEASE SUBMIT OFFERS TO
WALTER MOESCH & CO.
Importers of Chemicals
Zurich Switzerland

through on a fairly prompt basis. Market is firm at recent advance.

Phosphates—October production of tetrapotassium pyrophosphate amounted to 4,789 tons, compared with 4,398 tons in the preceding month. Output of meta Na PO_3 was 2,239 tons in October, against 2,353 tons in September, according to the Census Bureau.

Potash Caustic—Consuming demand has exceeded production and like many other chemicals the supply situation is tight. Contracts are being placed at higher levels for 1947 shipments but the outlook offers nothing that can be taken as easement in buying conditions over the first quarter of next year. Carbonate is practically in the same condition as caustic potash.

Potash Chlorate — Maintenance of increased buying interest has overtaxed production and the market has continued out of balance. Shipments are behind schedule and the current market situation is definitely tight. Contracts for shipment in 1947 are being placed on the same basis that prevailed in 1946.

Potash Perchlorate—Market is bare of stocks for prompt shipment. Production has been heavily sold over the first quarter of 1947. No price changes are expected at the turn of the year.

Soda Ash—Market will close the year with supply shelves bare of stocks. Deliveries have been confined to contract consumers and short shipments have characterized the movement all year. It seems that every consuming industry wants more ash than they can possibly receive and there is nothing in the present outlook that suggests any easement in supplies for the first half of 1947. Scarcely any resale stock is reaching the market and for the odd lots that have occasionally been available, substantial premiums have been named.

Soda Bicarbonate — Continues in definitely short supply as a result of cutback production resulting from the current shortage in soda ash. Shipments considerably behind scheduled requirements.

Soda, Caustic — Supply conditions have shown no improvement as the year draws to a close. There is more domestic demand than production can supply and there are no available inventories to take care of export trade. The serious shortage of caustic soda is bottlenecking operations of textile finishers and grey goods are increasing at the mills. The situation in the Southeast has become more acute because two of the suppliers have decided they do not want to sell to that area. The government does not intend to let these mills go without caustic and has a directive on hand to see that some of these requirements are met even if the chemical has to be taken away from other consuming sources. There is nothing in the present outlook that is suggestive of any improvement in the supply situation in the near future.

Soda Chlorate—Inventories have remained exceedingly low with demand sustained at a level exceeding output. Shipments are behind schedule and demand is being fed from current production. The market closed in a definitely tight condition. No change in price is expected to take place at the first of the year.

Soda Nitrite — Buying interest for use in dyestuffs has shown improvement during the past month. This, with an increased inquiry from packing houses, has kept the market position tight. Production has been held down by the shortage of soda ash. No indication of a change in prices at present.

Soda Sulphide—Definitely short at present with demand increasing for home and export requirements. Production is said to have been held down by the difficulty experienced in securing basic materials. Higher prices seem to be in order for 1947 although no announcement has been made to date.

Tin—British Foreign Office has announced that an agreement establishing a four-nation commission to supervise the export of tin from Siam has been made by the Siamese, British, Australian and United States governments. Prices will be on a basis equivalent to those in Malaya. The agreement followed an exchange of notes among the governments at Bangkok on Dec. 7. It also provides for Siam to compensate Australian and British tin-mine owners for production during the war period. Late in the week advices from Bolivia stated that three of the major producers of tin have shut down on account of labor difficulties. The Ministry of Interior said the stoppage violated an agreement between the mine owners and its workers under which the miners undertook not to oppose any dismissals because of curtailed operations. But when the companies tried to dismiss ninety from one mine, the workers struck. A strike in two other mines followed.

Tungsten — Producers are able to supply the metal, powdered 99.9+ percent pure at $2.85 per pound works. Tungsten oxide is obtainable at $4.75 per pound works for 99.9+ percent pure.

Zinc Carbonate—Higher prices are expected to be announced for this chemical as well as for zinc chloride, sulphate and other zinc industrial chemicals. The recent advance in the metal market has substantially increased the cost of production of zinc chemicals.

Acids

Acetic — Stocks definitely short for nearby shipment. Steady increase in

LARGE SCALE PRODUCERS
FOR MORE THAN 25 YEARS
PHENOL
U.S.P.
DOW
THE DOW CHEMICAL COMPANY
MIDLAND, MICHIGAN

Eston
CHEMICALS
REFRIGERANTS
Methyl Chloride
Sulfur Dioxide
Freon—11 - 12 - 22 - 113
Methylene Chloride
FUMIGANTS
Methyl Bromide
Bromofume 10 - 20
(Ethylene Dibromide in Solvent)
OTHER CHEMICALS
Potassium Metabisulfite
Hexaethyl Tetraphosphate
Sodium Bisulfate (Granulated)
DDT (100% Powder & Solutions)
Eston
CHEMICALS, INC.
3100 East 26th Street
Los Angeles 23, Calif.
In The West—It's Eston

demand has temporarily overtopped production and placed the market in an exceedingly tight position. Scarcity of containers has interfered with the movement of acid from works and producers appear to have experienced difficulty in their shipments to regular consumers. Some resale material occasionally reaches the market and is said to be held at premiums over contract prices. The market's undertone is distinctly firm with a leaning toward higher price levels.

Formic—Tagged for an advance of 2c. a pound on January 2 to cover higher producing costs. Heavy consuming demand has kept stocks definitely short.

Hydrofluoric—Available but not in as free supply as noted last month. Consuming demand reported active both for home and export requirements. Container supply becoming more of a problem.

Muriatic—Scarce on spot with demand active. Contracts for 1947 are offered on the basis of $18.00 per ton for 18°. The 20° grade is held at $20.00 per ton and the 22° grade at $22.00 per ton all in sellers' tanks f.o.b. works.

Naphthenic—Not in free supply although regular consumers appear to be getting shipments on a reasonably prompt basis.

Oxalic—Regular contract consumers appear to be the only ones that are receiving shipments at present and the movement in this direction is considerably behind scheduled requirements. The rapid absorption of current output has left the market bare of stocks. The price situation is exceedingly firm with the market tagged for a minimum carlot level of 13c. a pound on January 2.

Sulphuric—Supply position has been further tightened by the maintenance of heavy consuming demand for home and export. Prices are higher in some directions and the general market is definitely firm with a tendency to advance. There is a shortage of tankcars at present and the movement to the larger class of consumers is experiencing delays.

Baltimore, Dec. 20.—There has been no change in the situation in the production of sulphuric acid with none of the factors either in production or the availability of acid-making materials altered. The price is still pegged at $30 a ton, with distances of plants from sources of supplies and other considerations causing differences in cost and operating against a general level. There is an expectation that with the expense of these materials undergoing a fairly steady increase another advance in the quotations of the finished product is almost certain to come and it is thought now that the anticipated rise will not be announced until after the turn of the year. So far no suggestion as to the extent of the advance has been made.

Pacific Chemical Show Plans Progressing

Paul H. Williams, of the Shell Development Company, chairman of the exposition committee of the California section of the American Chemical Society, recently announced that current plans for the forthcoming Pacific Chemical Exposition are designed to make it an international event rather than one developed only for the western states. The exposition is scheduled for the San Francisco Civic Auditorium during October 21-25, 1947.

Pfizer & Co.

—Continued from page 4

of its current production activities at its Brooklyn plant which it will continue to operate.

The initial phase of development contemplates conversion of the property for use in the production of drugs and fine chemicals and involves a program of new building construction and installation of machinery and equipment as well as rehabilitation and repair of existing facilities, involving the expenditure of several million dollars.

The Pfizer company, which has been in the chemical business for nearly 100 years, specializes in the new antibiotics field. The company also makes a wide variety of drugs and fine chemicals including the various vitamins, citric acid and citrates, tartaric acid and tartrates, mercurials, bismuth salts, fumaric acid, oxalic acid and oxalates, gluconic acid and gluconates, and iodides. Its production goes primarily into pharmaceuticals, medicinals, foods and a variety of industrial uses.

Shell Chemical Plans $2,500,000 Expansion

A $2,500,000 expansion program which is expected to increase Shell Chemical Corporation's capacity to produce methyl ethyl ketone and secondary butyl alcohol by 150 percent is now under way, J. Oostermeyer, president of the company, announced recently.

The expansion program is said to be directed chiefly toward the installation of facilities for the production of these chemicals at the corporation's Houston, Tex., plant. Maximum production is scheduled to be attained by third quarter, 1947.

Bakelite Plant Strike Settled

The three-month strike at the Bound Brook, N. J., plant of the Bakelite Corporation, New York, officially ended last week when workers ratified the terms of settlements agreed upon the previous week by the company and the union's executive committee.

Surplus Materials

—Continued from page 4

spectively, inventories at fourteen regional offices, January 30.

Bristles, Chinese and Indian, various types and sizes, seven lots, WAA agent (Cone & Co.), 181 Front street, New York 7, January 6.

Calcium iodide, 200 pounds, Philadelphia, PHO-71-349, $3 a pound.

Cryolite, 16,000 pounds, Philadelphia, PHO-71-349, 6 cents a pound.

Dyes, various types and colors, twenty-eight lots, 14¼ pounds to 36,020 pounds, Philadelphia, PHO-74-401, fixed prices.

Fungi-repellent, JQD, 1,000,000 gallons, inventories at eight regional offices, January 30; prevental GD, 10,396 pounds, Philadelphia, PHO-71-349, 40 cents a pound.

Magnesium chloride, 17,600 pounds, Philadelphia, PHO-71-349, 1 cent a pound.

Methyl bromide, 107,617 pounds, Philadelphia, PHO-71-405, 10 cents a pound.

Napolin, 177,644 pounds, Kansas City, KC-E-01, 10 cents a pound.

Phenyl sulphonate, polyether, sodium salt, 280 gallons, Philadelphia, PHO-71-349, $1.50 a gallon.

Pitch solution, J-10, two lots, 7,277 pounds, Philadelphia, PHO-71-349, 1 cent a pound.

Polychloroterphenyl, 2,000 pounds, Philadelphia, PHO-71-349, 18 cents a pound.

Rust preventives, various types, four lots, 9,355 gallons, Philadelphia, PHO-71-349, 30 cents to 80 cents a gallon.

Salicyl anilide, 1,800 pounds, Philadelphia, PHO-71-349, 10 cents a pound.

Sodium nitrate, two lots, 33,920 pounds, Philadelphia PHO-71-349, 3 1/10 cents a pound; 7,150 pounds, same offer 2 cents a pound.

Sodium sulphite, anhydrous, 5,510 pounds, Philadelphia, PHO-71-349, 2 cents a pound.

Sulphuric acid, electrolyte, 13,735 pounds, Philadelphia, PHO-71-349, $2.50 for a 5-gallon carboy.

Vinyl resin solution, fireproofing, 2,578 gallons, Philadelphia, PHO-71-349, 10 cents a gallon; waterproofing, 439 gallons, same offer, $1.40 a gallon.

Zinc naphthenate, 12 percent, 1,500 pounds, Philadelphia, PHO-71-349, 7 cents a pound.

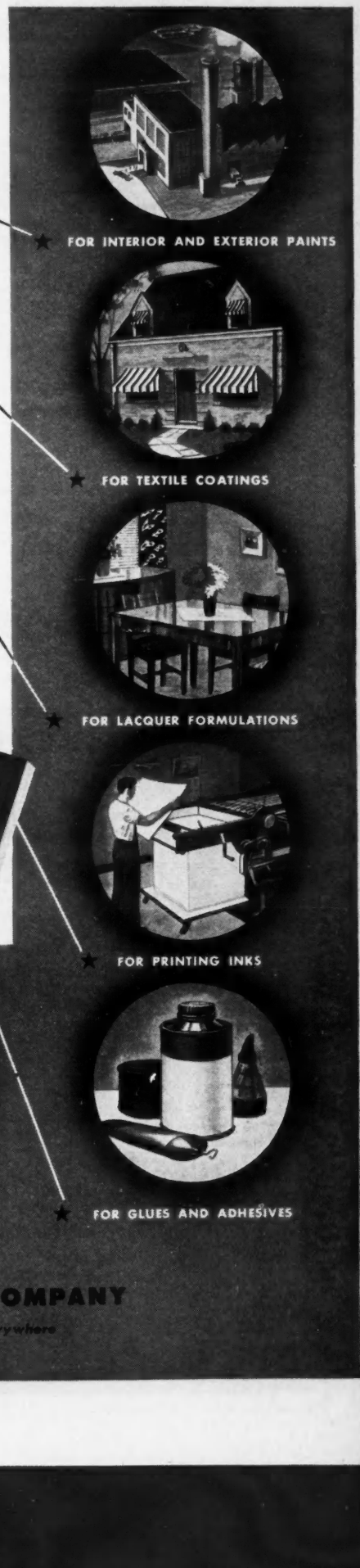
Among the thousands of items of industrial equipment currently offered in the processes of surplus disposal are the following:—

Emulsifier, 10-gallon, forty, Philadelphia, PHO-66-386, lots of five, January 2.

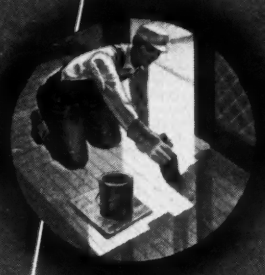
Paint tank, pressure feed, 60 gallons, with agitator, Seattle, SE-J-175, lot of two, $90.

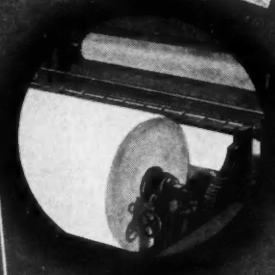
DIAMOND
CHLOROWAX
RESINOUS CHLORINATED PARAFFIN

Here are a few of the many applications in which Diamond Chlorowax is now being used successfully. This new chemically inert—highly adhesive—non-toxic—water repellent—flame resistant chlorinated plastic may be just what is needed in your product. It is widely compatible with resins, rubbers, vegetable oils, natural waxes—and improves vapor resistance of some resins. Write today for complete data.


★ FOR INTERIOR AND EXTERIOR PAINTS
★ FOR TEXTILE COATINGS
★ FOR LACQUER FORMULATIONS
★ FOR PRINTING INKS
★ FOR GLUES AND ADHESIVES

Send for Your Copy
OF THIS INFORMATIVE BOOKLET TODAY!


★ FOR VARNISHES


★ FOR PAPER COATINGS

CHLOROWAX DIAMOND ALKALI COMPANY
PITTSBURGH 22, PA., and Everywhere

HEAVY CHEMICALS

Deliveries in Packages, Tank Wagons and Tank Cars

A. H. MATHIEU & CO.
Riverdale, New Jersey

PRUSSIATE OF SODA
HENRY BOWER CHEMICAL MFG. COMPANY
30TH & GRAYS FERRY RD. PHILADELPHIA 46, PENNA.

METOL
Monomethylparaminophenol Sulphate
Registered Trade-Mark
TANNIC ACID • GALLIC ACID
(U. S. P. and Technical Grades)
PYROGALLIC ACID • HYDROQUINONE
ZINSSER & COMPANY, Inc.
HASTINGS-ON-HUDSON, NEW YORK

•
RED AMORPHOUS PHOSPHORUS
•
PHOSPHORUS SESQUISULPHIDE
POWDER
•
POTASSIUM CHLORATE 99½%
•
SODIUM CHLORATE
DUFF CHEMICAL Co., Inc.
342 MADISON AVENUE NEW YORK 17, N.Y.
Telephone: MUrray Hill 7-6502-3-4
Cable Address: "CHEMDUF"

Carbide & Carbon Plans Increased Resin Output

Carbide and Carbon Chemicals Corporation, New York, has announced that it will begin construction in the near future of units for the manufacture of "Vinylite" resins as an addition to its plant at Texas City, Texas. These new facilities will be erected on land owned by the company west of its present location, between LaMarque and Texas City, and will form a part of a general building program involving an expenditure of about $15,000,000.

The project represents an extension of a plant expansion program, begun in 1945, which includes the construction of a unit for the manufacture of butyl alcohol, extensions designed to increase capacity for the production of industrial organic solvents and anti-freeze compounds, and additions to the shop, laboratory and service buildings. In addition, the company expects to construct a unit for the production of ethyleneamines.

Holiday Momentoes Received

With grateful appreciation to its friends, OPD here acknowledges the receipt of holiday greetings and expressions of goodwill from the following:—

C. M. Armstrong, Inc., New York.
J. T. Baker Chemical Company, Phillipsburg, N. J.
Bausch & Lomb Optical Company, Rochester, N. Y.
Bristol-Myers Company, New York.
Calco Chemical Division, American Cyanamid Company, Bound Brook, N. J.
Chemo Puro Manufacturing Corporation, Long Island City.
Davis & Co., Chicago.
Dodge & Olcott, Inc., New York.
Faesy & Besthoff, Inc., New York.
Federal Adhesions Corporation, Brooklyn.
Florosynth Laboratories, New York.
R. W. Greeff & Co., New York.
Hercules Powder Company, Wilmington, Del.
D. H. Litter Company, New York.
Mallinckrodt Chemical Works, St. Louis.
Marmon-Herrington Company, Indianapolis, Ind.
Glen L. Martin Company, Baltimore.
Mathieson Alkali Works, New York.
McCormick & Co., Baltimore.
W. A. Munn & Co., St. John, Nfld.
S. B. Penick & Co., New York.
Proprietary Association Staff, Washington.
Rheem Manufacturing Company, New York.
Rhodes Industrial Corporation, East Hampton, N. Y.
Solvay Sales Corporation, New York.
Taber Instrument Corporation, North Tonawanda, N. Y.
O. S. Tyson & Co., New York.
Van Dyk & Co., New York.
Zophar Mills, Inc., Brooklyn.

Bids Wanted

—Continued from page 4

ment of Justice (Tallahassee, Fla.) invitation 25-1680, December 26.

Hydroquinone, photo, 48 pounds, Treasury Department (Fort Worth, Texas) invitation FW-792, December 26.

Insecticide, freon DDT, 1,200 pounds, Panama Canal, Purchasing Officer (Washington, D. C.) circular 3347, December 26.

Insulation compound, 25,000 gallons, Army Ordnance Department (Metuchen, N. J.) invitation 87, January 8; 25,000 gallons, invitation 86, January 8.

Paint, enamel, 15,000 gallons, Army Ordnance Department (Metuchen, N. J.) invitation 83, January 7; 25,000 gallons, invitation 82, January 7; 17,000 gallons, invitation 81, January 7; 25,000 gallons, invitation 80, January 7; 10,002 gallons, invitation 79, January 7; 275 gallons, invitation 78, January 7; 27,000 gallons, invitation 71, January 6; 25,000 gallons, invitation 72, January 6; 25,000 gallons, invitation 73, January 6; 1,400 gallons, invitation 74, January 6; 6,501 gallons, invation 75, January 6; 10,000 gallons invitation 76, January 6; 26,000 gallons, invitation 77, January 6; 3,020 gallons, Post Office Department (Washington, D. C.) invitation 1628, January 3; 705 gallons, invitation 1629, January 3; **oil**, 300 gallons, Veterans Administration (Sunmount, N. Y.) invitation 47-154, December 20; 750 gallons, Treasury Department (South Seattle, Wash.) invitation T 11 rp-47-85, December 27.

Rock salt, 400 tons, as required from January 1 through June 30, 1947, Veterans Administration (St. Cloud, Minn.) invitation 47-172, December 27.

Soap, grit, 36,750 pounds, **gritpaste**, 12,500 pounds; **laundry**, 252,700 pounds; **laundry chip**, 206,500 pounds; **powder**, 92,000 pounds; **toilet**, 1,000 gallons and 173,025 pounds, Treasury Department (Washington, D. C.) invitation 3-W-47,394-R, December 30; 15,000 6 ounce cakes, Treasury Department (New York City) invitation BW-10,187, January 2.

Soda ash, 500 tons, Bureau of Reclamation (Denver, Colorado) invitation L-23,232-A-1, December 27.

Wax, liquid, 4,000 gallons, Post Office Department (Washington, D. C.) invitation 1,600, December 30.

White lead, 5,760 pounds, Army Ordnance Department (Metuchen, N. J.) invitation 84, January 7.

Export Programs

—Continued from page 4

tee replaces another inter-agency group of similar function and title.

The committee will consider and make recommendations covering those non-food items which will be either placed under or eliminated from export control. It will also determine whether export quotas should be established for these items and, if so, what the quotas will be. Quota determinations were formerly made by the bureau of international supply of the Civilian Production Administration. Responsibility for determining the export control on food commodities remains with the Department of Agriculture in consultation with the Office of International Trade.

The regular membership of the committee will consist of representatives of the Office of International Trade, Office of Domestic Commerce, and Office of Small Business of the Department of Commerce; Office of Temporary Control, National Housing Administration, Department of State and Department of Agriculture.

Petroleum Industry

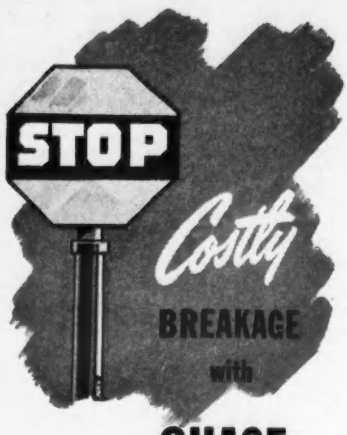
—Continued from page 3

minute the Attorney-General called back the official announcement which had been prepared and made ready for distribution to the press.

No particular reason was given for the sudden action by Mr. Clarke, but it was believed significant in some quarters that it followed a recent conference with Senator Joseph C. O'Mahoney, of Colorado, who earlier had conferred with President Truman. It is reported that Mr. Truman plans to ask Congress for additional anti-trust funds next year, in the neighborhood of $2,500,000, presumably to expand the division's legal work.

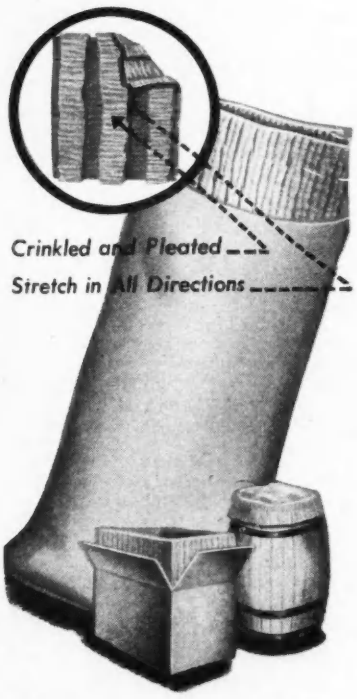
DOW
Organic and Inorganic
BROMIDES
IMPORTANT INTERMEDIATES TO HELP WITH YOUR DEVELOPMENT PROBLEMS
THE DOW CHEMICAL COMPANY
MIDLAND, MICHIGAN

WE BUY SURPLUS CHEMICALS
20 Years of Service to
Manufacturers and Consumers Having Excess Stocks of
CHEMICALS
DRUGS
GUMS
OILS
SOLVENTS
WAXES
BARCLAY
CHEMICAL COMPANY
75 VARICK ST., NEW YORK 13, N.Y.
WOrth 4-5120



CHASE LINERS

Chase Liners are crinkled and pleated. They're flexible, elastic—stretch in all directions. Provide greater protection, stop costly liner breakage. Check on Chase Liners today—it's the better product that costs no more than ordinary liners.



CHASE BAG CO.

GENERAL SALES OFFICES
309 WEST JACKSON BLVD., CHICAGO 6, ILL.

BOISE . DALLAS . TOLEDO . DENVER
DETROIT . MINNEAPOLIS . ST. LOUIS
NEW YORK . CLEVELAND . MILWAUKEE . PITTSBURGH . BUFFALO
KANSAS CITY . MEMPHIS . GOSHEN, IND. . PHILADELPHIA . NEW ORLEANS . ORLANDO, FLA. . SALT LAKE CITY . OKLAHOMA CITY . PORTLAND, ORE. . REIDSVILLE, N. C. . HARLINGEN, TEXAS . CHAGRIN FALLS, O. HUTCHINSON, KAN. . CROSSETT, ARK.

Obituaries

Clyde H. Campbell

Clyde H. Campbell, food chemist and author, died December 12 in St. Petersburg, Fla., where he had gone for his health. He was sixty years old. Mr. Campbell had been chemist for the city of Pittsburgh and the Pennsylvania Department of Agriculture. He was the author of "Campbell's Book," a handbook for the canning industry and a text book for college home economic classes.

Dr. S.E. Massengill

Dr. Samuel E. Massengill, founder and president of the S. E. Massengill Company, pharmaceutical products, Bristol, Tenn., died in that city December 15. He was seventy-five years old. Dr. Massengill was fined $16,800 in a United States District Court in 1938, because his company had put out the previous year an "elixir of sulfanilimide" which contributed, it was alleged, to the death of more than seventy persons.

William H. Coleman, who started making stoves and heads for wooden kerosene barrels for the Standard Oil Company in 1880, died in Indianapolis, December 13 at the age of ninety-eight years. He was actively interested in lumber milling until a week before his death and was noted for his philanthropies, especially in the field of medical care.

Joseph L. Fearing, sales manager in Allentown, Pa., of the St. Regis Paper Company, died December 17 in White Plains, N. Y., where he was visiting relatives. He was forty-five years old.

David Fitzgerald, manager of employee relations for the plastic division of the General Electric Company, Pittsfield, Mass., died recently in that city after an illness of several months. He was fifty-one years old. Mr. Fitzgerald had been associated with the company for twenty-five years.

William B. Gold, purchasing agent of the Electric Storage Battery Company, Philadelphia, died in that city December 15. He was sixty-six years old.

Harry J. Kling, a New York representative for The Standard Ultramarine Company, Huntington, W. Va., died recently. He was thirty-five years old. Mr. Kling, a native of New Jersey, was associated with Paul Uhlich Company prior to his wartime service with the Army Air Forces in the Pacific.

Benjamin C. Loder, former general counsel for the Ethyl Corporation, died in West Palm Beach, Fla., December 18. He was sixty-six years old.

Albert Magagna co-founder of the Textile Throwing Company, Duryea, Pa., died at his home in Wyoming, Pa., December 14. He was fifty-nine years old. For many years Mr. Magagna was general manager of the Anthracite Silk Throwing Company in Wyoming.

Int'l Monetary Group

—*Continued from page 3*

nations have now fully established a regime wherein they are pledged to promote exchange stability, to make no changes in the par value of their currency except in accordance with the Fund agreement, and to assist each other in attaining the general objectives of the Fund."

Article IV, Section 5 of the Bretton Woods monetary agreement lays down the obligations which now become binding. It provides that a member nation shall not propose a change in the par value of its currency except to correct a "fundamental distequilibrium." This rules out any sudden depreciation for purposes of stimulating exports or exchange in economic warfare.

It further provides that a change in the par value can be made only on the proposal of the member nations and only after consultation with the Fund. If the proposed change is not more than 10 percent of the initial par value, the Fund will not object. If it is between 10 and 20 percent the Fund may concur or object but must declare its attitude within seventy-two hours. If the proposed change is more than 20 percent the Fund may have a longer period to decide.

Stauffer CHEMICALS SINCE 1885

CARBON BISULPHIDE

Boric Acid • Carbon Tetrachloride • Borax
Titanium Tetrachloride • Sulphur Chloride
Silicon Tetrachloride • Sulphuric Acid
Caustic Soda • Tartar Emetic • Liquid Chlorine • Sulphur • Sodium Hydrosulphide
Textile Stripper

STAUFFER CHEMICAL CO.

420 Lexington Avenue, New York 17, N. Y.
221 N. La Salle Street, Chicago 11, Illinois
424 Ohio Bldg., Akron 8, O.
Apopka, Florida
555 South Flower Street, Los Angeles 13, Cal.
636 California Street, San Francisco 8, Cal.
North Portland, Oregon
Houston 2, Texas

BARIUM CHLORIDE
SODIUM SULPHIDE

E. M. SERGEANT PULP and CHEMICAL CO., Inc.
7 DEY STREET Established 1867 NEW YORK 7, N. Y.

CRESYLIC ACID
COPPER SULPHATE

GEORGE F. SMITH, INC.
60 East 42nd Street
New York 17, N. Y.
VAnderbilt 6-3098

OLDBURY
ELECTRO-CHEMICAL
COMPANY

•

AMORPHOUS
PHOSPHORUS

•

PHOSPHORUS
SESQUISULPHIDE

•

Manufactured to strict specifications
for the Match Trade

•

Plant and Main Office:
NIAGARA FALLS, NEW YORK

New York Office:
19 RECTOR ST., NEW YORK 6, N. Y.

Polymer Inst. Plans Rubber Symposium

Present developments in scientific research to improve the strength and durability of synthetic rubbers will be the feature of a symposium sponsored by the Institute of Polymer Research at the Polytechnic Institute of Brooklyn on Saturday, December 28, at 10:30 a.m.

The subject of the symposium, announced by Dr. H. F. Mark, head of the Polymer Institute, will be "Copolymerization." Leading research scientists from industries and universities will participate in the meeting.

This is the third in a series of eight symposia on the "Recent Progress in the Field of High Polymers." As a major center of high polymer research, the Institute launched its annual symposium program last year as the only offering of its kind in the country.

Professor C. C. Price of Notre Dame University who took part in the second symposium last month on the "Degradation and Aging of High Polymers," will act as chairman for the program on December 28.

Textile Chemists

—Continued from page 7

scouring assistant and also with sodium sulphate, sodium carbonate, sodium bicarbonate and sulphuric acid.

The effect of sodium carbonate to the detergents was striking, according to the report. For example, it read, changing the amount from about 2 percent to 22 percent had a decided effect upon the reflectance measurements in the long bath (twenty-two to one) securing of all the detergents, the greatest effect being upon the soap.

Sodium sulphate has a considerable effect upon the oil removal and reflectance, the report read, giving much better results than when the detergents were used alone. The report stated that there is a definite relation between a limiting concentration of detergent used and the efficiency of the scouring, and added that for each detergent there is a critical value between 5 percent and 10 percent which produces the best overall results.

The report stated that a general conclusion would be that 10 percent of each detergent with 6 percent of sodium carbonate to give an initial pH of about 11.0 produces excellent overall results in oil and lampblack removal.

Saponification of Rayon

In a paper on "Some Aspects of the Saponification of Acetate Rayon," the South-Central section reported a study of the variables on the saponification reaction and to determine the optimum condition for saponifying cellulose acetate so as to obtain the desired extent of saponification in the shortest possible time and with a maximum of control over the reaction.

The tests showed that it is entirely unnecessary to carry saponification to extremes. It was found that if cellulose acetate rayon is saponified to an acetyl value of approximately 37 percent to 38 percent that the same shade with Cotton Blue FF will be obtained as with viscose rayon. The acetyl values are average values for the whole cross-section of the fiber and do not represent the acetyl content of the saponified outer layer, according to the report.

Kupensaure Process

The Piedmont section presented a report on the Kupensaure process, a new development in vat color application which originally was developed in Germany. The paper evaluated the process and attempted to determine whether it can be used to advantage in the application of vat colors to synthetic and natural fibers.

In checking many practical demonstrations that have been made in plants using the process on special shades and colors, the report stated, it is apparent that Kupensaure process will not revolutionize present procedures nor is it adaptable to the wide range of vat volors on the many machines and fabrics that are being processed. On the other hand, the report concluded, it adds to regular procedures a new method which in many cases will solve a problem in the application of certain dyestuffs to a better degree than the present methods in use.

"The Effect of Dyestuffs on the Temperature Rise of Fabrics Exposed to Light" was reported on in a paper prepared by the Philadelphia section.

The study indicated the fact that the use of dyestuffs on low versus high reflectance characteristics, particularly in the infra-red region, results in substantially different thermal behavior upon exposure either to sunlight or strong artificial illumination.

The paper pointed out the important practical significance of this and stated that cotton and rayon clothing, for example, can vary several degrees under these conditions, due to the reflectance characteristics of the dyestuffs alone. The same factor can similarly influence the temperatures inside tents, below awnings and under tarpaulins.

Resins for Warp Sizing

The Rhode Island section's report of its investigations indicated that there are two new water-soluble type resins which may be used to replace starch in finishing and warp sizing. As a general rule, the report stated, in fabric finishing 2 percent styrene resin or 3 percent alkyd resin produces a hand equivalent to 5 percent pearl cornstarch.

Durable finishes may be produced by combinations of these and melamine-formaldehyde type, according to the paper, and there is the further advantage in these combinations in minimizing loss in strength and abrasion resistance.

The investigators reported that a quaternary ammonium compound in combination with the styrene resin produced a durable finish in a single-bath process. A two-bath process, they said, is indicated at present to yield a similar result when the alkyd resin is used in conjunction with a quaternary ammonium compound.

Both the styrene and alkyd resin types have given some indications of suitability as warp sizing, the report concluded, the styrene type showing particular promise and appearing to have an advantage over starch in not being affected by humidity.

The problem of tippy dyeing of wool and its control was presented in a paper prepared by the New York section. The investigators tested and rated for their dyeing properties on tippy wool and mohair more than 650 individual acid and chrome dyes, the tests involving over 4,000 dyeings.

The resulting ratings were tabulated and, according to the report, use of this table now makes it possible to obtain improved results by proper selection from a range of dyes rated for their tendency toward tippiness.

Wool Dyeing

Frederic L. Goodall, of the research staff of Geigy Color Company, Ltd., Bradford, England, in a discussion on the theory and practice in wool dyeing, said that alteration of the accepted routine dyeing method in three respects would lead to a more successful means of applying colloidal dyes. The alterations he suggested were to enter the goods as near the boiling point as possible; have a complete absence of Glauber salt, and reduced the initial acid content of the bath.

The dyeing thus obtained, he said, are generally much more level and solid, brighter in shade, of better fastness to rubbing and result in an extremely high degree of penetration achieved on difficult batches.

Other papers presented were "Fundamental Principles Applied to the Elimination of Fire Hazards of Fabrics," by Sidney Coppick, of American Viscose Corporation, Marcus Hook, Pa., and "Fundamental Aspects of the Prevention of the Microbiological Degradation of Cotton Textiles," by R. G. H. Siu, QMC biological laboratories, Philadelphia.

SEALED BID SALE

CONTAINS CRITICALLY NEEDED FATS AND WAX!

Manufacturers of soaps, furniture and shoe polishes and other products using formulas which require a base of scarce fat and wax will welcome an opportunity to purchase these camouflage grease paint sticks.

Made by a nationally known manufacturer of fine toiletries, these sticks contain the following important ingredients:

3% Carnauba Wax
10% Lanolin
35% Dimethyl Pthalate
25% Castor Oil

(The complete inventory contains approximately 250 tons of castor oil, about 100 tons of lanolin and about 30 tons of carnauba wax.)

These paint sticks were used by invasion troops during the war. Each stick is composed of paint of two different colors. Sticks are contained in metal tubes measuring three inches long and one inch in diameter; contents weighs approximately 3⅓ ounces. Removable cap at each end of tube.

Packed 100 tubes to a box. Three boxes to a case.

LOCATION OF INVENTORY

The entire inventory of approximately 9,000,000 Camouflage Paint Sticks is located at Salt Lake City, Utah, and Richmond, Virginia.

Address Sealed Bids To:

War Assets Administration
Building 440
Fort Douglas 1, Utah

or

War Assets Administration
East End Fourth Street
Richmond 24, Virginia

Investigate the reconversion possibilities of this material. It may be just what you need to get back to top production.

Information regarding the chemical analysis of these camouflage paint sticks is available at the Drugs and Medical Sales Division of WAA at Washington headquarters.

SEALED BIDS ARE INVITED

Bids will be accepted up to 5 p. m. on January 13, 1947. Bids may be made for any number of Camouflage Grease Paint Sticks, but minimum bid which will be considered must amount to $50.00. Of the inventory, 10% will be reserved to fulfill the needs of priority claimants.

Letters containing bids should be addressed to War Assets Administration, Building 440, Fort Douglas 1, Utah, or to War Assets Administration, East End Fourth Street, Richmond 24, Virginia. Envelopes should be plainly marked in the lower left-hand corner "Sealed Bid on Camouflage Grease Paint—Opening Date January 13, 1947."

Bidders' letters should contain the following statement: "This offer is subject to War Assets Administration's standard conditions of sale, and all other advertised terms and conditions, and no other terms or conditions shall be binding on War Assets Administration."

WAA reserves the right to reject any or all bids, or to withdraw any or all of the material offered herein. Payments must be made when requested, unless credit has been established in advance at WAA regional offices. Business checks or approved personal checks will be accepted.

This merchandise may be exported. Any question on export control should be referred to the Office of Internation Trade, Department of Commerce, Washington, D. C.

WAR ASSETS ADMINISTRATION

GOVERNMENT OWNED SURPLUS

Offices located at: Atlanta · Birmingham · Boston · Charlotte · Chicago Cincinnati · Cleveland · Dallas Denver · Detroit · Fort Douglas, Utah Fort Worth · Helena · Houston · Jacksonville · Kansas City, Mo. · Little Rock Los Angeles · Louisville · Minneapolis Nashville · New Orleans · New York Omaha · Philadelphia · Portland, Ore. Richmond · St. Louis · San Antonio San Francisco · Seattle · Spokane Tulsa

884

Du Pont to Open Two New Offices

E. I. du Pont de Nemours & Co., Wilmington, Del., has established two new sales offices on the West Coast to cover Los Angeles and San Francisco for the company's pigments department. Effective January 1, the new offices will handle distribution of white pigments and dry colors. Previously these products have been distributed through the C. L. Duncan Company.

The office covering the Los Angeles area will be managed by Wilbur S. Johnson, formerly Los Angeles manager for the Duncan company, and George B. McCrea will manage the San Francisco office.

SOCMA Birthday

—Continued from page 5

the Calco Chemical Division, American Cyanamid Company, Bound Brook, N. J.; class of 1948, Harold L. Simons, of Harold L. Simons, Inc., New York, and Harold W. Dingee, of Zinsser & Co., Hastings-on-Hudson; class of 1949, Dr. Wyly M. Billing, of the Hercules Powder Company, Wilmington, and George W. Burpee, of the General Aniline & Film Corporation, New York.

The secretary of the association is Charles A. Mace, 6 East Forty-fifth street, New York.

Treasurer C. M. Richter reported an estimated year end cash balance of about $4,250. Chairman E. H. Killheffer of the budget committee said that, to provide for some increases in clerical salaries, the budget for next year would be increased to $30,000, with no change in the assessment rate.

The preparation of a brief for filing in the tariff-bargaining program of the Department of State was reported by Harold L. Simons, chairman of the committee on international commercial relations. He also urged individual manufacturers to file briefs covering their particular ideas. A review of Federal legislative activities respecting patents and trademarks was given by August Merz. He noted the necessity and wisdom of keeping alert with respect to ideas that would wreck the value of invention in industrial lines.

Secretary C. A. Mace presented titularly his report of the year's events, which will be published in the minutes. President Ralph E. Dorland spoke chiefly at the dinner session, dwelling particularly on the growth in membership which had marked the association's closing year.

Luncheon meetings were scheduled for the second Wednesday of the first five months of 1947—except when day is a holiday. They will be held in the Hotel Commodore. The annual outing will be held in June at Seaview, N. J.

Professional Services

Analysis—Testing—Patents Formulations—Trademarks

(For further details see listings in OPD Green Book.)

Jerome Alexander
50 East 41st St., New York 17, N. Y.

Arlinco Research Laboratory, Inc.
333 West 52d St., New York 19, N. Y.

Assn. of Consulting Chemists & Chemical Engineers, Inc.
50 East 41st St., New York 17, N. Y.

Biological Laboratories
16 Clinton St., Brooklyn 2, N. Y.

Johan Bjorksten, Ph.D.
185 N. Wabash Ave., Chicago 1, Ill.

Bureau of Chemistry
2 Broadway, New York 4, N. Y.

Colburn Laboratories
431 S. Dearborn St., Chicago 5, Ill.

Di Cyan & Brown
12 East 41st St., New York 17, N. Y.

The Edwal Laboratories, Inc.
732 Federal St., Chicago 5, Ill.

Dr. J. Ehrlich
153 S. Doheny Dr., Beverly Hills, Calif.

Ellis-Foster Company
4 Cherry St., Montclair, N. J.

Ralph L. Evans Associates
250 East 43rd St., New York 17, N. Y.

Food Research Laboratories, Inc.
48-14 33rd St., Long Island City 1, N.Y.

E. M. Laning Company
433 Stuyvesant Ave., Irvington 11, N. J.

LaWall & Harrisson
1921 Walnut St., Philadelphia 3, Pa.

Leberco Laboratories
36 Roosevelt Ave., Bloomfield, N. J.

Dr. Fred Linsker
607 West 43d St., New York 18, N. Y.

Molnar Laboratories
211 East 19th St., New York 3, N. Y.

James C. Munch
306 South 69th St., Upper Darby, Pa.

Orthmann Laboratories, Inc.
647 W. Virginia St., Milwaukee, Wis.

Public Service Testing Laboratories, Inc.
381 Fourth Ave., New York 16, N. Y.

W. S. Purdy Company, Inc.
18 Bridge St., Brooklyn 1, N. Y.

Schwarz Laboratories, Inc.
202 East 44th St., New York 17, N. Y.

Foster D. Snell, Inc.
303 Washington St., Brooklyn 1, N. Y.

R. Steckler Laboratories
10111 Euclid Ave., Cleveland 6, Ohio

Stillwell & Gladding, Inc.
130 Cedar St., New York 6, N. Y.

Wiley & Company, Inc.
Calvert & Read Sts., Baltimore 2, Md.

Synthetic Organic Detergents
FOR ALL INDUSTRIES
Write for free samples, literature, prices.
Distributors in key cities.
Miranol Chemical Company
Incorporated
16 Melville Pl. Irvington, N. J.

DOW
EPSOM SALT
U.S.P.
IN NEEDLE-SHAPED CRYSTALS
RECOGNIZED BY PHYSICIANS, PHARMACISTS AND THE PUBLIC
THE DOW CHEMICAL COMPANY
MIDLAND, MICHIGAN

CRESYLIC ACID
for every purpose
CONCORD CHEMICAL COMPANY
Independence Square LEDGER BUILDING Philadelphia 6, Pa.

Washine INDUSTRIAL CHEMICALS
Christmas Greetings and Best Wishes for A Prosperous New Year
WASHINE-NATIONAL-SANDS, INC.
Manufacturing Chemists Since 1919
37-02 Northern Blvd., Long Island City 1, N. Y. ST. 4-0500
Jacobus Avenue, S. Kearny, N. J. MA. 3-4725

POTASSIUM FERRICYANIDE
(Red Prussiate of Potash)
HUNT CHEMICAL WORKS, Inc.
271 RUSSELL STREET, BROOKLYN 22, N.Y.
Telephone EVergreen 9-4855

A1-P-AMINODIMETHYLANILINE SULFATE
P-AMINOPHENOL HYDROCHLORIDE
2GS-O-AMINEOPHENOL
X-META-TOLUYLENE DIAMINE
DELTON PRODUCTS CORP.
489 FIFTH AVENUE, NEW YORK 17, N. Y.

RICHES-NELSON, INC.
Chemicals and Allied Products
RN
SYNTHETIC DETERGENTS
342 MADISON AVENUE, NEW YORK 17, N. Y.
Telephone: MUrray Hill 7-7267

Cresylic Acid
Pyridine 95%
and pyridine bases boiling between 160-190°
High Boiling Tar Acid
Tar Acid Oil
AMERICAN-BRITISH CHEMICAL SUPPLIES, Inc.
180 MADISON AVENUE, NEW YORK
Telephones: ASHland 4-2265 and 4-2266

COPPER SULPHATE
IRVINGTON SMELTING & REFINING WORKS
IRVINGTON NEW JERSEY
NEW YORK OFFICE · 30 CHURCH ST.

2, 4—D
2, 4—Dichlorophenoxyacetic Acid — Sodium Salt
KOLKER CHEMICAL WORKS
90 Lister Avenue Newark 5, N. J.

MERCOL ST
The Synthetic Detergent Bead
SEABOARD DISTRIBUTORS INC.
SIXTY PARK PLACE NEWARK 2, NEW JERSEY

"Trona"
CRUDE
LITHIUM
CONCENTRATE
. . . Now Available
in Substantial Quantities
This product is essentially a double salt having approximately the formula Li_2NaPO_4. Average Li_2O content 20%.
Suitable for refining into various Lithium compounds with phosphates as by-products.
CRUDE TRONA LITHIUM SALTS
AMERICAN POTASH & CHEMICAL CORP.
122 East 42nd Street New York 17, N. Y.

A.S.T.M. Discusses German Textile Tests

An afternoon session devoted to a description of some of the principal testing techniques and instruments developed by the Germans, highlighted the recent meeting in New York of Committee D-13 of the American Society for Testing Materials. This division of the Society develops textile standard specifications, tolerances, methods of testing, and definitions and terms.

A three-part talk was given by Dr. Lyman Fourt, research associate of Milton Harris Associates; Richard T. Kropf, director of research, Belding Heminway Corticelli Company, and Herbert F. Schiefer, senior physicist, National Bureau of Standards. These men were part of a team which investigated textile testing in Germany.

The key items in this field in which the Germans had made much progress were highlighted. Among the instruments which were illustrated by lantern slides and the use of which was described were tensile-strength testers for single fibers, yarns, and fabrics; the magnetic strain-gage; abrasion testers, flexure testers and instruments for measuring thermal insulation of fabrics.

German Dyes Study Data Available

New dyes and dye auxiliaries developed in Germany between 1936 and 1941 are described in a 180-page microfilm document now on sale by the Office of Technical Services, Department of Commerce. The document tabulates over 1000 compounds and includes data on cost price, selling price and tonnage sold. It was compiled by a technical committee of the I. G. Farbenindustrie, and the text is in German.

It gives production data for 1941 for various classes of dyes including Azo, naphthol, alizarin, vat, substantive, indigo, sulphur, triphenylmethane, phtholocyanin, fluorene, and dyes for leather and fur, and lists individual compounds, including sizing and emulsifying agents and auxiliary textile compounds.

It also gives the name of the inventor and the manufacturing plant, the date the product was put on the market, tonnage figures from 1936-1941, cost and selling price, and income figures for 1941.

Orders for the document ("New Dyes and Dye Auxiliaries from 1936 to 1941; values as of 1941"; enlarged print, $18; microfilm, $2.75) should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order, payable to the Treasurer of the United States.

Texize Appoints Farkas

Texize Chemicals, Inc., Greenville, S. C., has appointed Roland Z. Farkas as technical director. A native of Hungary, Mr. Farkas formerly was associated with the Lowell Textile Institute and with the Morton Chemical Company, Greensboro, N. C.

Trade Briefs

Textile Technology Institute has added to its staff Dr. Edward Abrams, who will work in microbiology and biochemistry.

American Viscose Corporation, New York, is distributing a new booklet, "Short Story of Rayon," which may be obtained from the company's public relations department.

ALUMINUM CHLORIDE
ANHYDROUS
PHOSGENE
(CARBONYL CHLORIDE)
NIAGARA CHLORINE PRODUCTS CO., Inc.
LOCKPORT, NEW YORK

Natural Products Refining Co.
910 Garfield Avenue,
Jersey City, N. J.
Natural BICHROMATES

EDIBLE — TECHNICAL
EGG ALBUMEN
For Every Purpose or Use
W. WALTER KOCH CO.
277 Broadway New York (7), New York

Mutual Bichromates
BICHROMATE OF POTASH
BICHROMATE OF SODA
CHROMIC ACID
OVER A CENTURY OF CHROMIUM CHEMICAL PROGRESS
MUTUAL CHEMICAL COMPANY OF AMERICA
270 MADISON AVENUE NEW YORK 16, N.Y.

Textile and Leather Chemicals

Consuming inquiry for bichromates and other tanning chemicals was keen, but the volume of business booked for 1947 delivery was reported restricted because of the uncertainty of producers obtaining basic raw materials. Suppliers may be compelled to allocate materials in order to assure a more equitable distribution. Lack of caustic soda is affecting operations of textile finishers, with the result that gray goods are increasing at the mills. Unless the government can find some way of getting this chemical to the mills, there is no certainty that the supply of textile materials will be much easier next year than it was this year. The problem has become of major concern in CPA circles, now the Office of Temporary Controls.

Prices of corn dextrin and starches were reduced fractionally by processors because of cheaper corn. Demand against current orders was unabated, with the production sold up, and readily absorbed. Interest in tapioca flour was reported quiet on the spot and for shipment from Brazil. Prices were unchanged and steady. Export demand for potato starch was active and sizable shipments were made to European destinations. Inquiry from domestic users were reported quiet, though withdrawals on contracts continued active.

The many rumors and reports with reference to the price fixed by Argentina for quebracho extract appear now to settle down to this:—Argentina is expected to say that the price of insoluble extract is 7 15/16c. per pound, including the 2 percent sales tax. Official pricing of soluble extract is now regarded as doubtful, because of the shortage of bisulphite of soda. The official statement is still being awaited.

Chemicals

Bichromates—Contract business for 1947 is gradually increasing at the higher prices recently announced, with suppliers assuming a conservative attitude regarding the acceptance of business for next year. The uncertainty of obtaining supplies of basic materials may result in the allocations of bichromates by producers in order to assure a more equitable distribution. Consuming inquiry was reported active.

Dyestuffs

Annatto—Small lots were moving for immediate needs. Prices were firmer and were increased to 14c. to 14¼c. per pound for spot delivery.

Cochineal—Light stocks on the spot were closely held. Inquiry for replacements was active. Prices were firmer for gray at 53c. to 55c. and silver at 54c. to 56c. per pound, for spot delivery.

Sizing Materials

Albumen, Egg — Business was reported quiet. Interest in edible grades was restricted to small lots for immediate needs. Offerings were liberal for spot and prompt delivery. Prices were unchanged and could be shaded for sizable quantities.

Dextrin, Corn—Prices were reduced 30c. per pounds 100 pounds, effective December 16 for all grades, because of the lower cost of corn. An active demand continued to take the production and deliveries were reported from two to three weeks behind schedule. British gum was quoted at $5.55 per 100 pounds, bags, carlots, canary, $5.29, dark, $5.39, white $4.99, same basis. Less carlots were 15c. per 100 pounds higher, instead of 10c. above carlots owing to the higher handling charges.

Corn Sugar — Lower cost of corn was reflected in this product and quotations were reduced 30c. per 100 pounds. Tanners chipped was quoted at $4.37 per 100 pounds, bags, minimum of 60 000 pounds and $4.41 in barrels, carlots.

Egg, Yolk—Consuming inquiry continued fairly active. Trading was limited to immediate requirements. Prices were unchanged and well held.

Market Trends

Prices Advanced

Annatto seed, ½c. per lb.
Cochineal, 7c. per lb.

Prices Reduced

Corn dextrin, 30c. per 100 lbs.
Corn sugar, tanners, 30c. per lb.
Cornstarch, 30c. per 100 lbs.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
294.5	294.1	292.8	305.5

(For Current Prices see Page 9)

Starch, Corn—Prices were reduced 30c. per 100 pounds last week as a result of cheaper corn. Active demand continued to take the production against current orders. Offerings were still restricted as processors continued to allocate deliveries. Pearl was quoted at $4.02 per 100 pounds, bags, carlots New York and $3.62, Chicago and powdered at $4.13 New York and $3.73 Chicago, carlots. Less than carlots were quoted 15c. above carlots, instead of 10c. because of the higher handling charges. Visible corn supply was increased 3,153,000 bushels for the week ended December 14, to 20,127,000 bushels, compared with 8,363,000 bushels, a year ago, according to the Chicago Board of Trade.

Starch, Potato—Although there was less interest shown by domestic users, this was offset by the improved demand for export. Sales of sizeable quantities were reported booked for shipment to European points. Withdrawals against contracts were in good request. New business was expected to improve after the turn of the year. It was stated that the major portion of the January output was sold up. Market was steady at current quotations.

Tapioca Flour — This market was quiet, but steady. Supplies on the spot were closely held at quotations ranging from 6¾c. to 13c. per pound, depending upon quantity and quality. High grades were held at 11c. to 13c. per pound, low types at 6¾c. to 7¼c. and medium at 10c. to 11½c. as to quantity for spot delivery. Brazilian market was reported quiet and unchanged. Offerings were limited to the low grades. Production was sold up. Low grades were quoted nominally at 5½c., medium, 7c. to 7½c. and better grades at 11c. per pound f.o.b. Brazil. Imports totaled 4,475 bags at New York last week, and were consigned against former contracts.

Tanning Materials

Divi Divi—There was little change in the quiet conditions in this market last week. Tanners showed little interest in shipments and quotations were merely nominal at former levels.

Mangrove Bark — Trading was reported inactive and quotations more or less nominal at $58 per ton, exdock. Offerings were quite liberal and it was intimated that prices could be shaded on firm bids.

Myrobalans — Liberal offerings for shipment and lack of buying interest continued to give the market an easy tone. Inquiry was slow and little improvement was expected in trading until after the turn of the year. Some 800 bags of powdered myrobalans extract was received at New York from Liverpool last week and consigned against previous orders.

Quebracho Extract — The trade awaited the official announcement of exports quotas and prices for quebracho extract by the Argentine government, which was expected momentarily. Arrivals totaled some 27,000 bags at New York last week and were consigned against orders that were placed about three months ago.

Valonia—Primary markets were reported easier. Offerings for shipment were liberal with tanners not showing much interest in replacements. Quotations were entirely nominal for beards at $73. to $75 per ton, and cups at $58 to $60 per ton, exdock.

Wattle Bark—Reports from Africa stated that prices were expected to advance after turn of the year. Inquiry for bark and extract was fairly active, and with offerings scarce, the market was in a strong position. Freight rates were scheduled to be increased $3 per ton after January 1.

For Late Market Developments, See Page 4

ALBUMENS

Specify

GARTENBERG ALBUMENS

for Uniform Quality
for Dependability
for Results!

THE LARGEST MFRS. AND EXPORTERS OF TECHNICAL EGG PRODUCTS OFFER YOU ALBUMENS AND EGGS, LIQUID OR DRIED, IN ANY FORM FOR EVERY INDUSTRIAL USE

Write for Samples and Quotations

H. GARTENBERG & Company, Inc.

412 W. Pershing Rd • Chicago 9, Ill.

CABLE ADDRESS "GARTEGG"

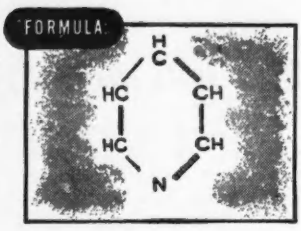
ALBUMENS

PYRIDINE

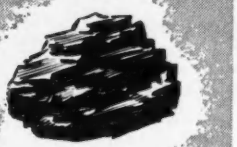
DEFINITION: One of the liquid nitrogen bases formed during the destructive distillation of coal. Many related nitrogen compounds—so called "pyridine bases"—are recovered during the purification of pyridine.

HISTORY: Discovered and isolated in a pure state from bone oil by T. Anderson in 1846. It was one of the earliest denaturants for alcohol.

FORMULA:



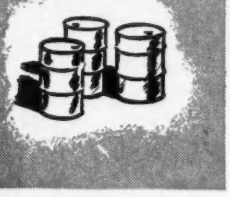
C_5H_5N



SOURCES: Pyridine is sometimes found in tobacco smoke, and has been isolated from bone oil, shale oil, lignite oils and certain petroleum oils. The chief commercial source is coal tar.

CHARACTERISTICS: Pyridine is a colorless liquid with a penetrating odor. It boils at 115° C and freezes at —42° C (—43.6° F) and is highly refractive to light. It weighs 8.20 pounds to the gallon. It will dissolve in water, alcohol, ether and combines with acids. It has antiseptic properties.

USES: Used in the manufacture of dyes and accelerators for rubber vulcanization, in waterproofing agents for fabrics and in the production of Niacin and sulfa drugs. Related bases are also used for synthesis of Niacin, a chemical of wide application as a vitamin in food enrichment.



GRADES: Classified on the basis of maximum distillation range in Degree Centigrade (of each type), as 2°, 10°, 15°, 20°, 30°, 50° to meet varying requirements. In addition, semi-refined or commercial grades are supplied. All grades are shipped in steel drums.

This is one of a series of advertisements presenting information on basic coal-tar chemicals.

THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.

Barrett

The Barrett Company, Ltd., 5551 St. Hubert Street, Montreal, Que.

ONE OF AMERICA'S GREAT BASIC BUSINESSES

Coaltar Chemicals

Steel operations last week were scheduled at 83.9 percent of ingot capacity, a rise of 14.1 percent from the preceding week. This indicates that coaltar production is steadily expanding although output is below that noted before the soft coal strike. Consuming demand for coaltar chemicals remained active and far enough ahead of current production to necessitate tight buying conditions. Even toluol stocks were reported lower with producers experiencing an increased inquiry. This was taken to mean that the large amount of government toluol placed on the market earlier in the year had finally been assimilated. Demand for benzol was active enough to take current production readily. Cresylic acid and crude coaltar were definitely tight with contract accounts getting about all the present output. Latest figures from the Bureau of Mines revealed that the 50 percent increase in creosote oil production in October over September registered the highest monthly total ever recorded by coke-oven operators. Steady shipments of crude naphthalene have not been sufficient to meet the requirements for phthalic anhydride production. Heavily sold ahead phenol output has kept that material practically off the market so far as additional business is concerned. Xylol did not vary much from its balanced position.

Hydrogenated solvents were firm with production in some varieties down and demand increasing. Buying conditions in the intermediates showed no appreciable improvement. Stocks are short and prices holding all recent advances. Alphanaphthol was higher and so was alphanapthylamine as a result of increased producing costs. Dyestuffs were short with production moving almost entirely to regular consumers.

Steel operations for the week beginning December 16 were scheduled at 83.9 percent of ingot capacity, compared with 69.8 percent in the preceding week, according to the American Iron and Steel Institute. A month ago the indicated rate was 91.4 percent. The present schedule is equivalent to the production of 1,478,600 net tons of ingots and castings, compared with 1,230,100 tons for the previous week and 1,520,300 tons for the corresponding week in 1945.

Production and supply figures given below unless otherwise designated are from the Bureau of Mines and relate to coke-oven byproducts.

Basic Products

Benzol—Production has shown some improvement during the past week but has not been sufficient to level off backlog orders. Steady shipments have kept stocks low and the market showed a relatively tight condition with prices firm at the recent advance. Output of the motor grade in October was up 8.3 percent at 3,099,833 gallons, compared with 2,862,437 gallons in September. Production of nitration was up 1.2 percent in October at 3,492,891 gallons, against 3,451,343 gallons in the preceding month. Output of industrial pure showed a decline of 2.3 percent at 7,476,262 gallons in October, compared with 7,656,152 gallons in September. Production of all other grades showed a gain of 72.1 percent at 238,958 gallons in October, against 138,847 gallons in the previous month. Stocks on October 31 recorded 1,261,726 gallons of pure, up 18.2 percent from September 30. Supplies of nitration were 2,211,150 gallons, up 17.6 percent from September 30. Stocks of industrial pure were 3,649,396 gallons, down 2.1 percent from the close of the preceding month, and all other grades were placed at 134,268 gallons, up 28.2 percent from those on September 30.

Coaltar — Consuming demand has continued broad enough to prevent any stock accumulations. Suppliers are confining shipments mostly to regular contract accounts. Production of crude coaltar in October amounted to 60,936,913 gallons, a gain of 3.1 percent over 59,112,702 gallons registered in September. Stocks at the end of October were 25,629,952 gallons, compared with 25,939,724 gallons on September 30.

Creosote Oil — Production gained about 50 percent in October. The total was 4,148,976 gallons, compared with 2,765,474 gallons in September. Stocks on October 31 were 908,147 gallons, against 792,123 gallons at the close of September. Demand continued heavy, with production heavily sold ahead. There was no indication of easement from the market's tight position.

Cresylic Acid — Buying conditions remained tight with more demand than could comfortably be supplied. Arrivals during the week amounted to 930 drums from Liverpool, London and Glasgow.

Naphthalene — More demand than can be supplied at present and buying conditions have continued exceedingly tight. Total production of crude in October amounted 8,425,254 pounds, a gain of 11.8 percent over 7,537,392 pounds produced in September. Included in the October total were 1,043,142 pounds of naphthalene solidifying at less than 70° and 7,382,112 pounds solidifying at 70° and less than 79°. Stocks at the end of October were 2,449,128 pounds, compared with 2,174,562 pounds on September 30.

Phenol—Heavily sold ahead production against contract accounts has kept the market in a definitely tight supply condition. Demand has overtopped supply and it is stated that considerable new business could be placed if the stock was available.

Toluol—Buying interest has shown improvement during the past month and the market has developed a firmer tone. In trade circles it was stated that the sizable quantity sold by the government earlier in the year has been finally assimilated and that consumers are now depending upon producers for their requirements. Production of the nitration grade in October was 1,165,327 gallons, a decline of 2.2 percent from the September output of 1,191,273 gallons. Production of industrial pure amounted to 236,748 gallons in October, up 11.9 percent over 211,494 gallons made in the preceding month. Output of all other grades was 64,813 gallons in October, down 6.9 percent from 69,622 gallons produced in September. Stocks of nitration on October 31 were 2,509,549 gallons, down 3.8 percent; industrial pure, 201,820 gallons, down 28.9 percent and stocks of all other grades were 49.461 gallons, down 25.8 percent from those recorded on September 30.

Xylol — Prompt shipments were availabble for this material. The market was not in free supply but kept fairly well in balance. Production of all grades in October amounted to 618,414 gallons, up 8 percent over 572,635 gallons in the preceding month. Stocks on October 31 were 585,438 gallons, up 5.4 percent from 555,245 gallons at the close of September.

Chicago, Dec. 20.—Orders have been

Market Trends

Prices Advanced

Alphanaphthol, 6c. per lb.
Alphanapthylamine, 3c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
130.8	130.8	128.4	127.3

(For Current Prices see Page 9)

Coke By-Products

Estimates of by-product coke-oven operations in the week ended December 13 indicate the following output of by-products from that source:—

Ammonia liquor NH_3	lbs.	477,432
Ammonia sulphate	lbs.	12,362,976
Benzol	gals.	1,557,936
Coaltar	gals.	5,779,640
Creosote oil	gals.	321,638
Naphthalene, crude	lbs.	763,891
Phenol	lbs.	90,461
Toluol	gals.	311,587
Xylol	gals.	70,358

For Late Market Developments, See Page 4

For prompt shipment.

A NEW, IMPROVED

Ammonium Thiocyanate

SUPPLIED BY KOPPERS

Koppers is now in a position to supply, on a quantity basis, an improved Ammonium Thiocyanate that has these three advantages:

1. Greatly Increased Whiteness
2. Lower Content of Insolubles
3. *Immediate Availability*

This new Ammonium Thiocyanate is being produced RIGHT NOW. If you will phone or wire your inquiries, your order will be rushed to you at once. Samples gladly furnished on request.

K KOPPERS

KOPPERS COMPANY, INC., PITTSBURGH 19, PA.

OPD—12-23-1946 47

coming through at a good rate for coal bases. Some little improvement in support is being noted again following resumption of more nearly normal operations in the steel industry after the coal strike. Benzol was firm. Ruling prices exclusive of tax were:—Benzol, pure, in tankcars, freight allowed up to 2c. per gallon, 17c. per gallon; 10-degree xylol, same basis, 29c.; industrial xylol, same basis, 22c.; 2-degree toluol, same basis, 22c.; solvent naphtha, same basis, 22c.; solvent naphtha, same basis, 22c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

Market position has been gradually tightening throughout the past month. Production of cyclohexanol and cyclohexanone has been slowed down by the difficulty in securing phenol. Production of cyclohexane has been regulated to meet demand but there were no excess stocks reported. Prices have been well sustained at former levels, with the overall demand leaning toward expansion for miscellaneous blending and solvent uses.

Coaltar Acids

Anthranilic—Producers have confined shipments to contract accounts and the open market is practically bare of stocks. Renewal orders for 1947 will be booked at higher price levels for the resublimed grade. The technical grade is quoted on the basis of 90c. a pound, works.

Broenner's — Stocks continued short with market firm at late advance. Current movement said to be for regular consumers, mostly in the dyestuff trade.

Fumaric—Market has not relaxed from its former tight condition. Demand has continued in excess of production and all of present output has been shipped against existing commitments.

Gamma—Suppliers firm at 97c. a pound, works, for contracts. Short stocks have kept the market position tight.

H—Production reported heavily under contract for 1947 to regular consumers. Suppliers have named 50c. a pound for shipments in 1947.

Maleic — Continued in heavy demand, mostly for use in synthetic resins and protective coatings. Production behind scheduled requirements leaving market position tight and firm.

Nevile and Winther's—Short stocks held market in tight position. The lowest price heard in producing quarters was 73c. per pound, works.

Tobias—Market reflected higher cost of production and remained firm at the recently advanced selling level. Suppliers gave 60c. a pound as the lowest figure acceptable for shipments.

Other Intermediates

Alphanaphthol—Strong position of basic materials has held this intermediate in a firm position. Suppliers name 58c. a pound for shipment, from works, which is 6c. a pound above the former selling level.

Alphanaphthylamine — An advance of 3c. a pound was noted in the market for this material. Higher prices for naphthaline and other increased producing costs necessitated the upward revision. The lowest price heard was 35c. a pound.

Anilin—Consuming demand has remained active for prompt and forward shipments. Some production was lost during the recent soft coal strike but output is said to have picked up during the past week. Prices are firm but unchanged for both oil and salt.

Dianisidine—Market position firm, with stocks short. The lowest price named was $1.38 a pound, works.

Dinitrochlorobenzene—Shortage of chlorine said to be keeping production down. Market tight and firm, with tankcar shipments held at 13¼c. a pound, f.o.b. works.

G-Salt—Regular consumers taking current production readily. Market steady at recent advance with shipments held at 50c. per pound, works.

Orthotoluidin — Consumers taking this intermediate on the basis of 17c. a pound in tankcars and 18c. in drums, carlots, f.o.b. works.

Phthalic Anhydride — Shipments have remained behind schedule, with consuming demand exceedingly heavy. Producers have kept the crude naphthalene market under constant pressure for shipments but current capacity has not been sufficient to level off inquiry. Prices are firm and unchanged.

REPUBLIC BENZOLS

1° — 2° — 90% — MOTOR

REPUBLIC STEEL
Reg. U.S. Pat. Off.

ALSO

TOLUOLS
Nitration — Commercial

XYLOLS
3° — 5° — 10° — Commercial

SOLVENT NAPHTHA • AMMONIUM SULPHATE

CRUDE NAPHTHALENE

Specify Niles Steel Containers for your Packaged Items

REPUBLIC STEEL
CORPORATION
General Offices • Cleveland 1, Ohio
BRANCH OFFICES IN ALL PRINCIPAL CITIES
•
Shipping Points: Cleveland, O. • Chicago, Ill. • Warren, O. • Youngstown, O. Canton, O. • Massillon, O. • Gadsden, Ala. • Birmingham, Ala.

For COAL CHEMICALS

check with BETHLEHEM

BENZOL (nitration, industrial, motors)

TOLUOL (nitration and industrial)

XYLOL (industrial)

CRUDE HEAVY SOLVENT NAPHTHA

CRUDE NAPHTHALENE

CRUDE PYRIDINE

Available from plants at Sparrows Point, Md., Lackawanna, N. Y., Bethlehem and Johnstown, Pa. Nearby points served by convenient tank-wagon delivery.

Other Bethlehem products for the chemical industry:

Forged pressure vessels • Chemical-plant equipment • Sheets • Alloy studs • Hot-forged nuts • Pipe • BethColite (hot-dipped tinplate) • Electrolytic tinplate • Special-coated manufacturing terne plate • Black plate

For particulars write or call Bethlehem Steel Company, Bethlehem, Pa., or nearest district office.

BETHLEHEM STEEL

Urea Manufacture Data Available

Lead and monel-lined equipment used in urea manufacture is kept free from corrosion by a process developed in Germany for removing oxygen and sulphur compounds from the carbon-dioxide ammonia mixture, according to a report now on sale by the Office of Technical Services, Department of Commerce.

The report was prepared by William L. E. Dewling and John Robell of the U. S. Army's Field Information Agency, Technical. It describes in detail urea manufacturing at the Oppau plant of the I. G. Farbenindustrie.

To eliminate the corroding substances carbon dioxide is passed through an activated carbon tower to remove all sulphur compounds. Since the carbon dioxide gas at Oppau contained carbonyl sulphide, a special packing, described in the report, was used. About 3.5 grams of ammonia per cubic meter of gas are injected into the tower, together with an excess proportion of oxygen based on the sulphur content.

After the sulphur has been removed, all traces of oxygen are eliminated. For this purpose the Germans adopted a technique developed in Norway. The sulphur-free carbon dioxide is heated to 110°-130° Centigrade in an exchanger, then to 220°-230° Centigrade in a steam preheater. Next the gas flows into a converter and up through a nickel-copper catalyst, after which it is returned to the exchanger for preheating the incoming gas. Unconverted carbon dioxide of ammonia gases may be returned to the process or used for the manufacture of other products.

The report contains complete details for preparing the catalysts to remove oxygen and sulphur compounds, as well as processes used in the manufacture of urea. Schematic drawings of the equipment and flow diagrams for the anti-corrosion process, with and without recirculation of unconverted gases, are included.

Orders for the report (PB-47773; "Urea Manufacture at the I. G. Farbenindustrie Plant at Oppau"; photostat, $3; microfilm, $1; thirty-one pages) should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order, payable to the Treasurer of the United States.

Idaho Phosphate Data Compiled

OPD Washington Bureau

A brief report on the phosphate deposits of the Deer Creek-Wells Canyon area in southeastern Idaho, accompanied by a geologic map, geologic cross-sections, and tables of reserves and chemical analyses, has been released by the Geological Survey. The report and accompanying data are now on open file for public inspection.

In 1944 the Deer Creek-Wells Canyon area was mapped and sampled at several localities by a Geological Survey party under the direction of Charles Deiss. The phosphate rock, which locally is broken and thinned by faults, occurs in two large synclinical basins. The inferred reserves of high, medium, and low-grade phosphate rock above drainage level total nearly 120,000,000 short tons.

The report and accompanying data may be examined at the following places: The Geological Survey offices at Room 5210, Federal Works Agency Building, Washington, D. C.; Room 506, Federal Building, Salt Lake City, Utah; Room 707, Peyton Building, Spokane, Wash.; and at the office of the Director of the Idaho Bureau of Mines and Geology, University of Idaho, Moscow, Idaho.

Trade Briefs

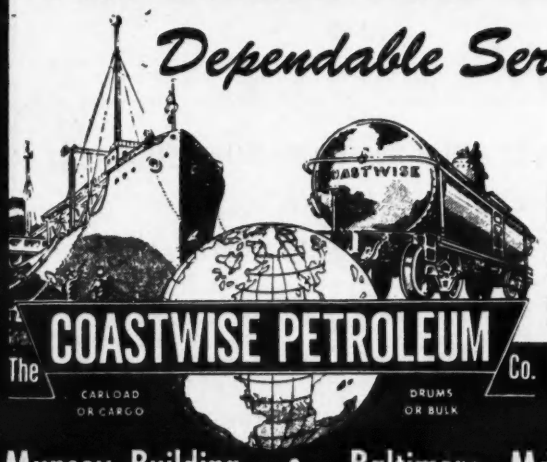
California Spray Chemical Corporation has purchased a building in Portland, Ore., for the production of agricultural dusts.

Consumers Cooperative Association will purchase shares of Bridgeport Oil Company stock held by stockholders who comprise the management of that company.

Export Inquiries Invited!

★ **BENZOL**
★ **TOLUOL**
★ **XYLOL**
★ **HI-FLASH NAPTHA**
★ **SOLVENT NAPTHA**
★ **MINERAL SPIRITS**
★ **SPECIAL NAPTHAS**

Dependable Service!



The COASTWISE PETROLEUM Co.

CARLOAD OR CARGO

DRUMS OR BULK

SEND FOR OUR NEW SPECIFICATION BOOK!

Munsey Building • Baltimore, Md., U. S. A.

New York Representatives: SIMPSON, SPENCE & YOUNG, 8-10 Bridge Street, New York 4, N. Y.

Cable Address: "LUBOYLE" Terminal: GOODHOPE, (New Orleans) La., U. S. A.

European Representatives: SIMPSON, SPENCE & YOUNG, 24 St. Mary Axe, London EC3, England

XYLOL*

*NITRATION • FIVE DEGREE • TEN DEGREE • INDUSTRIAL

INTERLAKE CHEMICAL Corporation

• PRODUCTS FROM COAL •

LIGHT OIL DISTILLATES
Benzol, Nitration Pure
Benzol, Industrial Pure
Benzol, Industrial 90%
Benzol, Motor
Toluol, Nitration Pure
Toluol, Industrial Pure
Xylol, Nitration
Xylol, Five Degree
Xylol, Ten Degree
Xylol, Industrial
Solvent Naphtha
Crude Heavy Solvent Naphtha
Refined Solvents

CRUDE PYRIDINE BASES

TAR ACIDS
Phenol, Technical 90%
Phenol, Technical 80%
Cresol, U.S.P.
Orthocresol
Metaparacresol
Cresol, Resin Grade
Cresol, Plasticizer Grade
Cresylic Acid
Xylenols, Special Fraction
Tar Acid Oils

NAPHTHALENE
Crude 74° & 78° C.M.P.
Refined 79.5° C.M.P.

AMMONIUM SULPHATE

COAL TAR PRODUCTS
Crude Coal Tar
Refined Coal Tar
Creosote Oils
Creosote Solutions
Coal Tar Heavy Oils
Coal Tar Saturants
Road Tars
Coal Tar Pitches

PHENOLIC MOLDING POWDERS

UREA SYRUPS, PASTES AND CREAMS

PHENOL FORMALDEHYDE RESINS

INTERLAKE CHEMICAL CORPORATION • 1914 UNION COMMERCE BLDG. • CLEVELAND 14, OHIO

Manufacturing Plants

Waltham, Massachusetts • Erie, Pennsylvania • Forest Park, Illinois • Toledo, Ohio
Chicago Illinois • Detroit, Michigan • Duluth, Minnesota

Agricultural Chemicals

Shortage of stocks exerted a restricting influence on activity in agricultural chemicals last week. Inquiry was active with anything in the organic or inorganic fertilizer classification experiencing more demand than supply. Ammonia nitrate commanded considerable attention, with the uncertainty surrounding stocks making it difficult to place additional orders. It was apparent that the amount of this nitrate borrowed for export is not going to be replaced for domestic use, but will be credited to producers' export account. The drain, however, will be removed from commercial production by the first of the year through the diversion of overseas shipments to the reactivated army ordinance synthetic ammonia plants. The loss of this supply has not made a favorable impression on the trade where backlog orders have been steadily mounting for domestic use.

Overall nitrogen supplies for 1946-1947 are estimated at 693,100 tons, against a former estimate of 715,908 tons. The distribution in 1945-1946 was 702,428 tons. Ammonia sulphate production has shown steady improvement since the ending of the soft coal strike but remains short of demand. Boxcar shortage has interrupted the movement of phosphate rock and threatens to cutback superphosphate output unless relieved. All the potash possible has been moved to meet mixing requirements. Nitrate of soda is definitely short at present, with labor troubles in Chile delaying importations. Ammonia, nitrate and lime base will be higher on January 2 with present stocks short. Producers of this material will make an advance to cover the cost of paper bags. The only price change in packinghouse byproducts was in raw bones at Chicago.

Insecticides and fungicides have maintained a firm position. The strong situation in lead and arsenic has created a firm market for lead arsenate. Some adjustment in calcium arsenate prices may take place early next month to cover the higher cost of arsenic. Higher prices have been named for the roots that produce rotenone. The market in Peru has advanced since price control was lifted.

Nitrogenates

Ammonia Sulphate—Byproduct coke-oven production of ammonia sulphate was 4 percent higher in October. The total registered 133,325,461 pounds, compared with 128,147,940 pounds in September, according to the Bureau of Mines. Stocks at the end of October were up 11.4 percent to 91,232,861 pounds, against 81,906,856 pounds on September 30. Estimates place production for the year ending June 30, 1947, at 143,500 tons, compared with 149,200 tons for the preceding year.

Bones—Higher prices have been established for raw bulk bones, and it was said to be doubtful if less than $75 a ton would be considered for bulk at Chicago. Heavy demand for gelatine has lent additional strength to the market. Junk bones are also higher in the West, with suppliers naming $50 to $52 a ton.

Castor Pomace—Production appeared to be sold on contract temporarily. Prices were firm at former levels with trading quiet.

Dried Blood — Restricted offerings have kept the market in a relatively quiet condition. An arrival of 1,990 bags at Philadelphia from South America was said to be for use in the southern peanut growing areas.

Hoof Meal—Last sales of this material in this section were reported at $8.50 per unit-ton. Suppliers in the West were asking up to $9.50 per unit-ton last week. Importations of 1,399 tons of hoof and horn meal were noted from South America.

Soda Nitrate — Market continued tight with demand keeping ahead of supplies. Importations of Chilean nitrate have been temporarily interrupted by a maritime strike in that country. Production of Chilean nitrate has been maintained and shipments will likely be made up if the strike ends soon.

Tankage—Additional sales have been made at former price levels. Offerings were not free and feeders took all the material offered. Importations of 1,601 greaves cakes were noted from South America.

Market Trends

Prices Advanced

Bones, raw, bulk, $18 per ton, Chicago.
Bones, junk, bulk, $5 per ton, Chicago.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
72.1	72.1	72.1	71.8

(For Current Prices see Page 9)

Phosphates

Phosphate Rock—Demand has been active enough to prevent any relaxation from the tight position of this market. Producers are only receiving 60 percent of the boxcars necessary to move scheduled requirements of rock and admit that acidulators cannot attain their estimated goals unless transportation facilities are increased.

Superphosphate—No appreciable improvement could be noted in buying conditions. The current movement is confined chiefly to contract accounts although an active inquiry was reported for additional lots. According to trade reports, a number of contracts will expire at the close of the year. The undertone of the market is firm in response to higher producing costs but no announcement of 1947 contract prices has been made to date.

Potashes

Shipments of muriate have moved close to schedule although considerable more could be used if there was enough stock to meet all domestic requirements. There is a feeling of uncertainty regarding the future supply of boxcars with no definite assurance that the shortage may not disrupt the movement of potash before the Winter is over. The opinion prevailed that controls should be discontinued as soon as possible but no one appeared to be in a position to state when that would take place.

Insecticides

Strong basic conditions prevailing in calcium arsenate suggest the possibility of higher prices after the turn of the year. The position of pig lead has improved to some extent since the removal of price ceilings but the supply is said to be considerably short of demand for lead arsenate. Rotenone prospects are uncertain. With price control removed, Peruvian producers of root were withholdng shipments of raw material apparently in hope of higher prices. There were reports that the United States-Peruvian trade agreement, under which all root came to this country at a fixed price, may be cancelled. If this happens, world competition for Peruvian root will set new price levels. Pyrethrum, on the other hand, appears to be in adequate supply to meet the requirements of the coming season.

Production of DDT was lower in September, according to the Chemical Division of the Tariff Commission. The total was 3,855,842 pounds, compared with 4,020,189 pounds in August. Lower prices will be made effective for this material on January 2. The carlot price will be cut by one of the major producers to 42½c. a pound.

Sulphur and Pyrites

Consuming demand for both home and export requirements of sulphur has continued active. Stocks are fully capable of meeting requirements and the only uncertainty is the availability of transportation facilities. At present water transportation is said to be in better shape than the supply of freight cars, but many consumers are not situated to accept transportation by ships or barges. Pyrites has moved against contract accounts without revealing any change in prices.

For Late Market Developments, See Page 4

for
SULFUR DIOXIDE
and
METHYL CHLORIDE
LOOK FOR THESE TRADEMARKS
LIQUID Sulfur Dioxide by ANSUL
LIQUID Methyl Chloride by ANSUL
they stand for
PURITY • QUALITY • ECONOMY • DEPENDABILITY
*REG. U. S. PAT. OFF.
ANSUL CHEMICAL COMPANY
MARINETTE, WISCONSIN
Eastern Office 60 E. 42nd St., New York City

SULPHUR
Commercial Flour
Semi-refined Roll "Cone" Sulphur
Lightnin Brand Dusting Sulphur
Magnolia Brand Conditioned Dusting Sulphur
Blossom Brand Wettable Sulphur
Mohair Brand Wettable Sulphur
Rubbermakers Sulphur (ground to specifications)
Texas Yellow—Refined Flowers of Sulphur
Sulphur Insecticide Mixtures
Sulphur Calcium Arsenate Mixtures
Sulphur Cryolite Mixtures
Sulphur—Pyrethrum & Rotenon Mixtures.
Write or Wire for Quotations
Douglass SULPHUR CO.
P.O.Box 231 HOUSTON, TEXAS

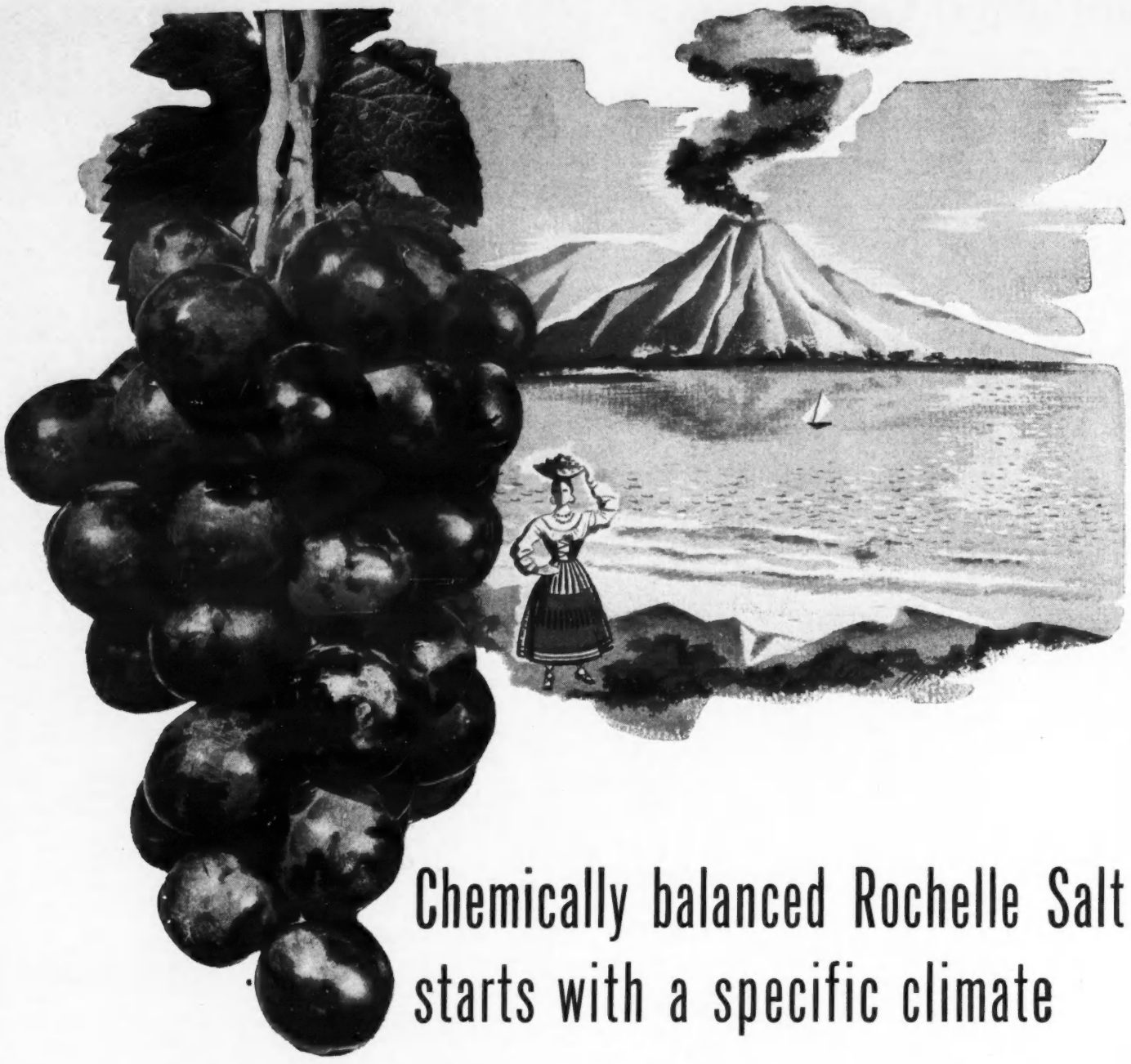
Producers of
SULPHUR
Large stocks carried at all times, permitting prompt shipments . . . Uniformly high purity of 99½% or better . . . Free of arsenic, selenium and tellurium.
TEXAS GULF SULPHUR Co. Inc.
75 E. 45th Street New York 17, N.Y.
Mine: Newgulf, Texas

Sulphate of Ammonia · Nitrogen Solutions · Ammonia Liquor
Anhydrous Ammonia · Arcadian* the American Nitrate of Soda
THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 RECTOR STREET • NEW YORK 6, N. Y.
Barrett NITROGEN
HEADQUARTERS FOR AMERICAN-MADE NITROGEN
*Reg. U. S. Pat. Off.

Season's Greetings
Thanks for the business with which we have been favored.
THE DICKERSON COMPANY
DREXEL BUILDING - - PHILADELPHIA 6, PA.

SUNSHINE STATE POTASH
A PRODUCT OF NEW MEXICO U.S.A.
MURIATE OF POTASH
62/63% K2O ALSO 50% K2O
MANURE SALTS
22% K2O MINIMUM
TRADE-MARK REG. U. S. PAT. OFF.
UNITED STATES POTASH COMPANY
Incorporated
30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

OPD—12-23-1946 50



Chemically balanced Rochelle Salt starts with a specific climate

Available again are those high-grade bitartrate argols, long associated with the exacting quality standards of Baker's Rochelle Salt.

Only in one European area is there a combination of soil, sunshine and growing weather that will produce grapes for bitartrate argols acceptable to Baker.

For chemically balanced Rochelle Salt starts with exacting raws made possible in a specific climate.

If you manufacture a drug or pharmaceutical product that requires neutrality or chemical balance of each component part of Rochelle Salt, you will be interested in Baker's current production of this material.

Baker's Rochelle Salt dissolves quickly in solution. There is freedom from insoluble matter and heavy metals to an unusual degree. There is chemical balance between the alkali metals, Potassium and Sodium, and Tartaric Acid.

Whether you order Baker's Rochelle Salt, U.S.P., in granular or powder form, you will appreciate its uniformity of chemical and physical characteristics. Samples and quotations gladly sent upon request.

J. T. Baker Chemical Co., *Executive Offices and Plant:* Phillipsburg, N. J. · *Branch Offices:* New York, Philadelphia, Boston and Chicago

ANALYZED REAGENTS Baker's FINE CHEMICALS

Baker's Chemicals

C. P. ANALYZED • FINE • INDUSTRIAL

Drugs and Fine Chemicals

Leading other market developments in drugs and fine chemicals last week were the advance in package prices on formaldehyde; a 1c. rise in methanol prices named by one producer, while another stated that it had no immediate plans for any change in methanol prices; the upward adjustment of prices on barium, lead, and zinc iodides; a rise in quotations on calcium gluconate; higher quotations on procaine hydrochloride; and a further increase in the shipment prices on castor beans at the source. A reduction in quotations on corn syrup was also made.

The announcement of prices on borax and boric acid late in the previous week led to considerable difficulties for those who tried to reduce the quotations of three producers to a common, comparable basis. Since even the producers had difficulty in understanding competitors price schedules, it was small wonder that consumers could not interpret quotations in terms of a common basis. From the welter of uncertainty it seemed clear that quotations on borax in bulk were at least $3 per ton higher but that the minimum price for boric acid continued unchanged with one producer, though others did advance quotations on that article.

On probable future importance in the quicksilver market was a report from London stating that the prewar cartel between Italian and Spanish producers had been reconstituted as Mercurio-Europeo and the fact that the cartel had appointed an exclusive sales agent fo rthe British Empire was possibly a forerunner of the cartel appointing an exclusive agent for sales in the United States.

The future of codliver oil was also discussed in terms of probable production this year and its effects on prices. Production in 1946 in Norwegian waters was record high, yet the heavy world demand countered the large output and prices actually advanced. Some think it improbable that 1946 production will be repeated in 1947 but that there is little chance for demand being less in that year than it was in 1946.

Acetanilide—This article is ending the year in firm price position on the basis of prices recently established on a higher basis for the U.S.P. item and in the presence of a demand indicated to be excellent for the new year.

Acetone—Demand for home consumption is expected to hold at high levels as the new year opens and there is no reason to expect that would-be foreign purchasers will find it very difficult to obtain even moderate quantities for export account. Most producers report no export setaside from production and are not quoting on the numerous requests reaching here from foreign parts.

Acid, Acetylsalicylic—The higher price schedule recently announced by the manufacturers of this article closes the year in very firm position, backed by a prospective demand that will keep production moving steadily to manufacturing consumers. The undertone of the market was very firm last week.

Acid, Aminoacetic—Minimum quotations for January 1 are set at $1.52 per pound if the trend now apparent in the market become accomplished fact as of that date. The position is expected to be very firm in all respects.

Acid, Boric—Producers have given information regarding their prices to prevail on 1947 contracts. The outstanding fact thus far developed is the intention of one producer to make no price advance at this time. Which means that as things stand now the minimum of prices for granular will be $95.50 per ton in bulk in one quarter, $100 in another, and $106.50 in a third. In all cases the price of U.S.P. acid will be $25 per ton higher than for the technical article. In package goods among those who have advanced prices, the situation is less clear, being confused by questions of higher freight rates, freight taxes, and the like. So uncertain is the picture at this writing that time is required to compose the apparent differences and to arrive at schedules actually comparative by being on the same basis.

Market Trends

Prices Advanced

Barium Iodide, 50c. per lb.
Borax, bulk, $3 per ton.
Calcium gluconate, 8c. per lb.
Castor beans, $10 per ton.
Formaldehyde, bbls., 9c. per lb.
dms., 35-100c. per lb.
Lead Iodide, 20c. per lb.
Procaine hydrochloride, $1.25 per lb.
Zinc Iodide, 25c. per lb.

Prices Reduced

Corn syrup, bbls., 12c. per 100 lbs.
Menthol, 15c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
249.2	249.6	246.5	207.7

(For Current Prices see Page 9)

Adeps Lanae—Quotations lacked quotable change but the market undertone was reasonably steady as the year drew toward its end last week. Little demand was current during the period under review but some favorable indications have arisen as regards probable takings early in 1947.

Agar—Sellers are gradually arriving at a basis for pricing Japanese material. It is too early and the quantities available are too small readily to compose a clearly defined market but the trend toward solution of the somewhat cloudy price mixture is setting in stronger and in 1947 will probably be resigned in favor of a clearly defined market position.

Alcohol—The following data were released last week by the Alcohol Tax Unit, Bureau of Internal Revenue, and compared production, withdrawals, and stocks of ethyl, completely denatured, and specially denatured alcohol in October, 1946, and 1945:—

Alcohol Data: October

	Proof gallons 1946	Proof gallons 1945
Production—		
Ethyl	18,742,793	24,451,509
*Completely denatured	5,971,693	3,727,418
*Specially denatured..	12,941,631	15,954,918
	Wine gallons 1946	**Wine gallons 1945**
Withdrawals—		
Ethyl,† tax paid.....	5,283,511	4,168,241
tax free.....	35,193,806	35,828,354
*Completely denatured	5,996,265	4,047,764
*Specially denatured..	15,295,212	14,954,918
Stocks—		
Ethyl†	58,188,634	131,155,472
*Completely denatured	94,327	117,474
*Specially denatured..	2,649,801	21,139,791

* Wine gallons.
† Proof gallons.

Ammonia Benzoate—Firm but not especially active in the closing days of the year. The undertone was reported to be very firm and the outlook for good business seemed to assure firmness as the leading characteristic of the market after the turn of the year.

Ammonia Chloride—Demand has tapered off now that leading suppliers have acquired sufficient material to meet the replacement demand for this Winter article. Prices were firm in all respects.

Amyl Acetate—Production was well engaged. Prospects for larger supplies in 1947 were not especially encouraging but the outlook for demand was counted excellent. No reserve surplus was in hand nor in sight last week.

Borax—Producers have announced schedules of prices for 1947 contracts but conditions of sale make it highly difficult to reduce the quotations to comparable levels. From data in hand, it seems as though bulk prices on technical in granular form stand at $44.50, $45, and $47.50 per ton, according to producer, but even these quotations may be suspected of not being completely on a comparative basis since it can be deduced that in some instances a part of additional charges are being absorbed by at least one producer. Until all factors that comprise prices can be resolved to a comparable basis, definitive quoting of borax will not be possible. Even the producers are bewildered when they attempt to interpret the schedules of competitors.

Brucine—According to the Department of Commerce, importations in the month of August totaled 43 pounds of sulphate brought here from the

For Late Market Developments, See Page 4

Dependable Chemicals by HEYDEN

FINE HEYDEN CHEMICALS

Glycerophosphates

OPD—12-23-1946 51

Heyden's salts of Ortho-Glycerophosphoric Acids, in official and non-official compounds, are widely recognized for their purity and uniformity. Manufacturers of pharmaceuticals, drugs and chemical products are invited to consult Heyden for their requirements in Glycerophosphates and other Heyden Quality products.

CALCIUM GLYCEROPHOSPHATE, N. F.	Powder
IRON GLYCEROPHOSPHATE, N. F.	Powder
MANGANESE GLYCEROPHOSPHATE, N. F.	Powder
MAGNESIUM GLYCEROPHOSPHATE	Powder
POTASSIUM GLYCEROPHOSPHATE	75% Solution
SODIUM GLYCEROPHOSPHATE, N. F.	Crystals and Powder

SODIUM GLYCEROPHOSPHATE
50% and 75% Solutions

GLYCEROPHOSPHORIC ACID

FINE HEYDEN CHEMICALS

HEYDEN
Chemical Corporation
393 SEVENTH AVE., NEW YORK 1
Chicago Sales Office: 180 N. Wacker Drive, Chicago 6, Ill.

Benzaldehyde • Benzoates • Benzoic Acid • Benzyl Chloride • Bromides • Formates
Chlorinated Aromatics • Medicinal Creosotes • Formaldehyde • Formic Acid
Glycerophosphates • Medicinal Guaiacols • Hexamethylenetetramine • Penicillin
M.D.A. • Paraformaldehyde • Parahydroxybenzoates • Pentaerythritols • Salicylates

U.S.P. GLYCERINE

PACKED IN DRUMS, CANS & GLASS

PROCTER & GAMBLE

Largest Producers and Refiners of

Chemically Pure Glycerine

Also other grades—Stocks in principal cities

Gwynne Bldg.
Cincinnati 2, Ohio

Commerce Building
155 E. 44th St.
New York City, 17

MERPHENYL

ESPECIALLY PURIFIED
PHENYLMERCURIC COMPOUNDS
For Pharmaceutical And Cosmetic Use

THE HAMILTON LABORATORIES, INC.
ASHEVILLE, N. C.

LEVER BROTHERS COMPANY

Producers and Refiners of

GLYCERINE

50 Memorial Drive — Cambridge 39 Mass.

GLYCERINE SUBSTITUTES
TARTAR EMETIC SUBSTITUTES

APEX CHEMICAL CO., Inc., 225 West 34th St., New York 1, N. Y.
Factory: Elizabeth, N. J.

SPOT!

CASTOR OIL

DI OCTYL PHTHALATE EXTENDER

SACCHARIN

PARA CRESOL

CITRIC ACID

FUSEL OIL

BIRCH-KLINE CO., Inc.
165 Broadway
NEW YORK 6, NEW YORK

Telephone: BArclay 7-2969

United Kingdom. The market continued firm to strong in price.

Cadmium Salts—Fully firm in all respects because of the acute shortage of metal and the numerous advances made in the price of that basic material.

Caffeine—Outlook for 1947 business was excellent and it was not expected that supplies would be increased materially in the nearby future. According to the Department of Commerce, importations in the month of August were 11,024 pounds, or 96 percent more than the July arrival of 5,624 pounds.

Calcium Gluconate—Producers of this article have advanced prices and stated that production of the granular form of the article had been dropped. Powder at its new price position was 58c. per pound in barrels, 63c. to 65c. for drums; canisters, 76c. The AA grade powder became 65c. in barrels; drums, 70c. to 72c.; and canisters, 83c. The advance was 8c. per pound.

Camphor—Fully firm in all respects. No general offering of Japanese camphor was current in the open market and while goods were expected to be arriving in some measure of steadiness, complete restoration in trade with the primary market is a matter for accomplishment in 1947.

Castor Oil—Prospects for business in 1947 were clouded by the supply situation in castor beans. Prices have advanced to high levels and the availability of beans in Brazilian shipment ports were far from satisfactory. Nor was there real reason to expect improvement in that aspect of affairs after the turn of the year.

Prices for beans were higher at $250 to $255 per long ton, f.o.b. Brazilian ports following sales made at $245 and the market was counted very strong. Arrivals of beans last week totaled 32,943 bags, or 4,941,450 pounds. This brought the total since January 1 to 1,244,210 bags, or 186,631,500 pounds, which compares with 1,776,290 bags, or 266,443,500 pounds imported in the corresponding period of 1945. Also, 413 drums of oil arrived last week.

Codliver Oil—Prices held very firm. Although not too much demand was present in the closing days of the year, the needs for 1947 throughout the world are expected to run to large totals and hence the price situation was expected to continue strong. Production in North Atlantic waters was record high in 1946, but demand was such that large production was accompanied by advancing prices. Experience in normal times suggests at least the possibility of 1947 fishing being not so productive as it was in 1946. A decrease in production is certainly possible, but it is unlikely that demand will show curtailment throughout the world.

Colchicine—Little ever comes on the market and in that respect trade is nominal. The Department of Commerce reports that in August 4 pounds were received from Switzerland.

Corn Syrup — The domestic producers kept prices moving in favor of consumers. Last week, quotations were reduced 12c. per 100 pounds, making 42 degree syrup $4.72 per 100 pounds in barrels, carlot quantities. For less than carlots, $4.87 was the market.

Cream of Tartar—The market is moving toward the year-end in apparently steady price position and prospects for sales in the coming year were said to be good. It will require a substantial reduction in production costs further to move prices on this article to lower levels.

Creosote—Winter demand was expected in good volume. The movement since last Fall has been very steady and equal to expectations of suppliers. Prices last week were definitely firm and little competition between sellers was reported.

Emetine Hydrochloride—The market lacked much in the way of reserves and the future of supplies for early in 1947 was difficult to ascertain. According to the Department of Commerce, importations from Brazil totaled 43 pounds in the month of August.

Formaldehyde—Prices on formaldehyde packed in barrels and drums have been advanced because of the situation in methanol and transportation charges. No change was made in the prices for formaldehyde delivered in either tankcars or tanktrucks. The former equalization of tankcar freight with Tallant, Okla., has been dropped. New prices were as follows: Barrels, carlots, 5.95c. per pound, inclusive; less carlots, 6.45c.; in returnable barrels, carlots, 5.75c.; less carlots, 6.25c.; drums, carlots, 4.95c.; less carlots, 5.45c., drums being extra and returnable.

Glycerin—Prices for glycerin appear to be all over the lot. Some prominent makers of refined glycerin have a price of 55c. per pound in tanks. Other important quarters have set 75c. as a minimum.

Meanwhile, the production prospect was not improved by that outlined for soap during the past week. Final decision on how much soap will be available here in 1947 was being held up by conflicting opinions in the President's cabinet.

The Department of Agriculture's position is that the United States should have more edible and inedible fats in oils in 1947 than they did in 1945 and 1946. The State and Commerce Department think precisely the opposite. The 1946 allocation for the United States was 23.2 pounds of inedible fats per person on a population of 141,900,000. A proposal was made to increase the allocation to 24 pounds of inedible fats per person on a population basis of 143,000,000.

On the final outcome of these discussions depends the amount of raw material to be allocated to soapers. On that allocation depends the amount of soap to be made, which, in turn will determine the amount of recoverable glycerin that refiners might expect.

It is on such things as these that the glycerin market in 1947 will be predicated. If the solution brings more glycerin for glycerin consumers, it may be that the spread from 55c. to 75c. in minimum quotations may be resolved to something closer to reason.

Glycerine continued to arrive from abroad last week. During that period, 59 drums came from Buenos Aires and 41 drums reached here from Jamaica.

Iodides—Upward revision of minor iodides was completed when quotations on barium were set at $5.12 per pound; lead, $2.94; strontium, $3.20; and zinc, $4.65.

Menthol—The market was none too steady and prices dropped to $7.50 to $7.75 per pound. Coupled with growing competition at the replacement sources, inactivity in the local market produced further unsettlement of prices and it appeared that conditions were more favorable for buyers than sellers.

Methanol—One producer advanced quotations on synthetic methanol to the basis of 25c. per gallon, f.o.b. works. The rise was 1c. per pound and was understood to reflect higher production costs of which higher freight rates were a part.

A check in other quarters failed to develop change in their quotations, and one large producer said that it had no immediate plans for any change in methanol prices.

Manufacturers of streptomycin, penicillin and sulpha drugs will continue to receive priority assistance through December. The Civilian Production Administration division of the Office of Temporary Controls is expected to issue authority on application to draw against the methanol reserves which have been held under the Civilian Production Administration since the beginning of the coal strikes.

Paraformaldehyde—Because of the situation in methanol—which was advanced last week by one producer—and because of the advance in formaldehyde prices, an advance in para formaldehyde quotations was talked about but its producers held prices unchanged.

Procaine—Prices on this article have been advanced and at the present time the minimum quotation is $5 per pound. The former quotation was $3.75 per pound.

Quicksilver—A change in the trade relationship between European shippers and American manufacturing consumers would seem to be in the making. Last Spring, representatives of the Spanish producers came to this country and when they left they had appointed numerous companies as agents for the sale of Spanish quicksilver.

Meanwhile, negotiations between the Spanish and the Italian mines proceeded in the direction of a restoration of cartel arrangements between the producers of Spain and Italy. It was learned from London last week that the Mercurio-Europeo had been reconstituted and that an exclusive sales agent for the British Empire had been appointed.

It did not appear here last week that the cartel had as yet appointed its

Burroughs Wellcome Promotes E.W. Rigg

Burroughs Wellcome & Co., pharmaceutical manufacturer, New York, has appointed Earl W. Rigg vice-president and manager of distribution and a director of the company. Formerly the firm's representative in the Buffalo, N. Y., territory, Mr. Rigg was named superintendent of the Tuckahoe, N. Y., plant in 1942, sales manager in 1944 and manager of distribution in 1945.

E. W. Rigg

United States agent, but such a development would be in line with the former practice of the Hispano-Italo business associates in the world marketing of their quicksilver. It was said that if prices alleged to be those of the cartel should be fact, then an advance in the New York market, possibly to as high as $100 per flask, would not surprise.

San Francisco, 16.—Quicksilver was moving slowly here this week. Little spot metal is available. Producers were quoting metal between $87 and $90 per flask, f.o.b. San Francisco.

Theobromine—The market held very firm and higher quotations could scarcely surprise in the nearby future. According to the Department of Commerce, 57,493 pounds were imported in the month of August, a gain of 16 percent over the July arrivals.

Borax Sales Terms And Price Clarified

Buyers of borax from the Pacific Coast Borax Company will pay only those increases in freight rates that have been made since June 30, 1946. The announcement of PCB borax prices as published in the December 16 issue of this publication should have contained the statement "Freight increases made since June 30, 1946, and taxes thereon will be for buyers' account." As printed, the announcement gave the impression that buyers would have to pay full freight from the West Coast plants of the Pacific Coast Borax Company whereas in effect they pay only the increase beyond June 30, 1946.

Technical grade of borax packed in bags and sold in carlot quantities by the Stauffer Chemical Company is priced at $51 per ton for the granular variety, not $15 as previously stated through a typographical error.

Metal Can Shipments Decreased in October

Shipments of metal cans during October amounted to 258,516 tons, a 19 percent decrease from the 318,304 tons shipped during September, according to a recent report of the Bureau of the Census. Shipments of metal cans during October were 19 percent higher than the 216,624 tons shipped during the same month of 1945.

About 50 percent of the total shipments for October was accounted for by metal cans designed for packing fruit and vegetable products. The balance of the month's shipments consisted of 85,000 tons of all other food product cans, and 43,000 tons of non-food product cans.

Metal cans shipped for sale to the trade in October amounted to 222,000 tons, 86 percent of the month's total. The remaining 36,000 tons were for the producers' own use or for use by an affiliate, subsidiary or parent company.

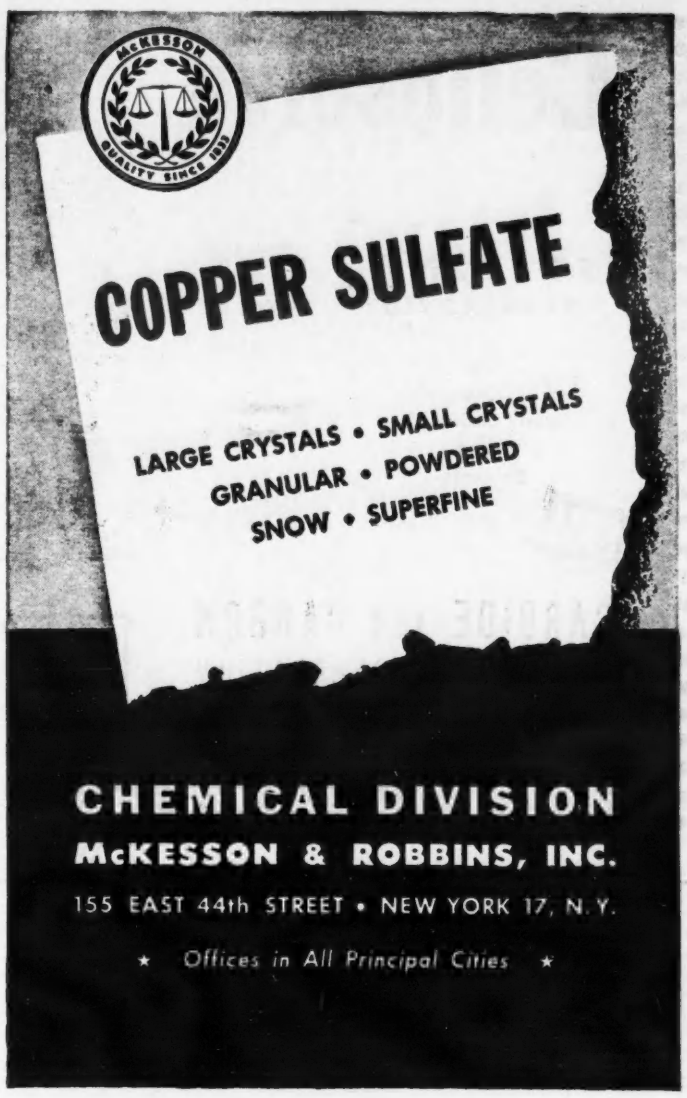
Trade Briefs

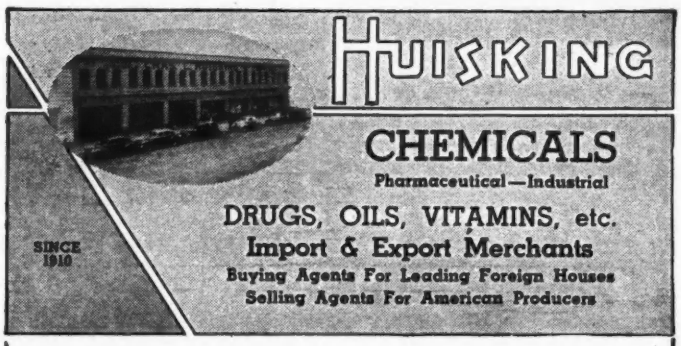
St. Regis Paper Company, New York, has completed the purchase of three paper mills from Time, Inc.

Anchor-Hocking Glass Corporation has elected Thomas S. Wright and S. B. DeMereel as vice-presidents.

James Lockhardt, plant supervisor for Red Rock Bottling Company, Pittsburgh, has been promoted to director of sales promotion.

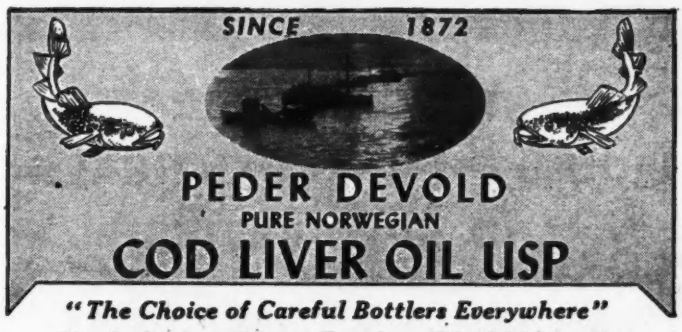
Consolidated Copper Mines Corporation has purchased controlling interest in the Titan Metal Manufacturing Company, Bellefonte, Pa.





CAMPHOR, U.S.P. Du Pont *Powder—Tablets*
MENTHOL CRYSTALS, U.S.P.
HYOSCINE (Scopolamine) HYDROBROMIDE, U.S.P.
ARECOLINE HYDROBROMIDE, N.F.
SULFA DRUGS
SULFUR PRECIP., U.S.P. (*Sylvania Brand*)
OIL CAMPHOR WHITE SYNTHETIC
LYCOPODIUM, U.S.P.
PAPAIN
SPERMACETI, U.S.P.
HAARLEM OIL
QUINCE SEED
IRRADIATED ERGOSTEROL
BEESWAX, U.S.P. *Yellow & Bleached*
LANOLIN, U.S.P. *Hydrous & Anhydrous*
PREPARED CALAMINE, N.F.
CHLOROPHYLL

CHAS. L. HUISKING & CO., INC.
155 VARICK STREET, NEW YORK 13, N. Y.
Chicago Office 561 E. Illinois St. — Cable Address HUISKING, NEW YORK
LONDON AGENTS
Wheeler & Huisking, Ltd., 26 Great Tower St., London, E. C. 3, England



"The Choice of Careful Bottlers Everywhere"
Standardized • Vitamin Tested • Oils of All Potencies

Lithographed 1 and 5 Gallon Cans Again Available

As before the war we are again supplying these attractively lithographed cans which show proper dosage recommendations and our Control Number.

VITAMINE BRAND OILS (Fortified Poultry Cod Liver Oils)
DEVOLD VITAMIN A & D FEEDING OILS
VITAMIN A & D CONCENTRATES
IRRADIATED ERGOSTEROL (Vitamin D2)
CHLOROPHYLL

IMPORT — EXPORT
PEDER DEVOLD OIL CO.
DIVISION OF CHAS. L. HUISKING & CO., INC.
155 Varick St. • New York 13, N. Y.
Cable Address: VITAMINS, New York — All Standard Codes
P.D.

SANTONIN
MEETING REQUIREMENTS OF INTERNATIONAL PHARMACOPOEIAS
ALKALOIDS of AMERICAN MANUFACTURE
SANTONINE COMPANY OF AMERICA
DIVISION OF CHAS. L. HUISKING & CO., INC.
155 VARICK STREET, NEW YORK 13, N. Y. — Cable Address SANTONICUS, N. Y.

Cellosolve
trade-mark

SOLVENT FOR IMPROVED

lacquers and dopes
textile printing
leather finishing
cleaning solutions

Also Methyl "Cellosolve" and "Carbitol" Brand Solvents

CALL

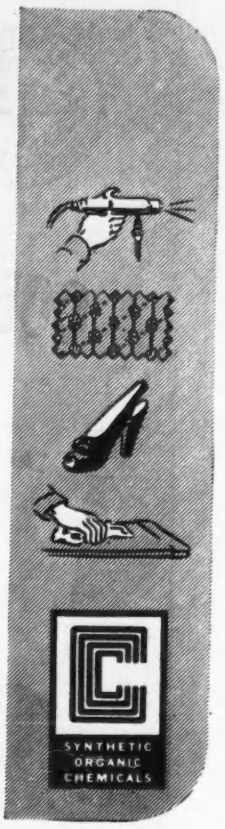
CARBIDE AND CARBON CHEMICALS CORPORATION

Unit of Union Carbide and Carbon Corporation

UCC

30 East 42nd Street, New York 17, N. Y.

OFFICES IN PRINCIPAL CITIES



WE MANUFACTURE . . .
INDUSTRIAL AND CONSUMER CHEMICALS
For Your Packaging and Distribution

Use your own confidential process or one developed for you in our laboratories.

PHARMACEUTICALS • DISINFECTANTS • REAGENTS

FINE ORGANICS, INC. Office: 211 E. 19th St., New York 3, N. Y.

STANDARDIZED
LIQUID PHARMACEUTICALS
AND SPECIALTIES

Included in our Line are the following:—

TINCTURE IODINE, U.S.P.
MILD TINCTURE IODINE, U.S.P.
PAREGORIC, U.S.P.
(Tr. Opium Camphorated)
ELIXIR PHENOBARBITAL, U.S.P.
ELIXIR TERPIN HYDRATE, N.F.
MIXTURES, N.F.
SYRUPS
TINCTURE GREEN SOAP, U.S.P.
SOAP LINIMENT, U.S.P.
SPIRIT ETHYL NITRATE, N.F.
(Sweet Spirit Nitre)
SPIRIT AMMONIA AROMATIC, U.S.P.
SPIRIT CAMPHOR, U.S.P.
SPIRIT PEPPERMINT, U.S.P.

Price List on Request

STANDARD DRUG COMPANY, INC.
285-295 Badger Avenue, Newark 8, N. J.

Balto. Drug Exchange Elects Muth President

Leon C. Muth, of Muth Bros. & Co. was elected president of the Baltimore Drug Exchange, succeeding John A. Crozier, general manager of the Calvert Drug Company, at the annual meeting held recently in that city.

Other officers elected were Leonard Fardwell, McCormick & Co., first vice-president; Walter F. Wargell, Burrough Bros. Manufacturing Company, second vice-president; William L. Lowry, Loewy Drug Company, secretary, and Leroy Oldham, of Leroy Oldham & Co., treasurer. Mr. Crosier, John H. Kelly, of the Emerson Drug Company, and Robert Swindell, of Swindell Bros. Glass Company, were named new members of the executive board.

The principal speaker for the meeting was Thomas R. Reid, director of human relations for McCormick & Co.

NWDA Studies Auto Expenses of Salesmen

A new study designed to set standards in determining a meter chart for wholesale drug salesmen's automobile expenses has been announced by the executive committee of the National Wholesale Druggists' Association, according to E. Allen Newcomb, executive secretary.

The project continues the research program initiated by the NWDA to hold the line on distribution costs as the wholesalers' contribution toward holding down inflationary prices on health supplies.

The data tabulated in the course of the study, Mr. Newcomb said, will be incorporated in an "expense-meter chart" which will take into account various regional factors.

Research will be under the direction of Dr. Herman C. Nolen, professor at the College of Commerce and Administration, Ohio State University. It is anticipated that the guide will be completed by February 1, 1947, and will be published soon thereafter, Mr. Newcomb said.

U.S. Employment Service Merges with National Roster

OPD Washington Bureau

The placement services of the United States Employment Service for scientific and professional personnel have been augmented by merger of the placement service of the National Roster of Scientific and Professional Personnel with the USES national clearing house.

The national clearing house will operate through the 1,800 local State Employment Service offices so that registrants with executive, professional and scientific qualifications and experience may be placed in contact with employers in need of their services anywhere in the country or overseas. The national roster maintains an active file of the qualifications of the country's scientific and professional personnel. More than 50,000 highly skilled individuals from the roster's files were placed in war industry and in specialized posts in the armed services during the war years.

Packaging Machinery Group Has Own Office

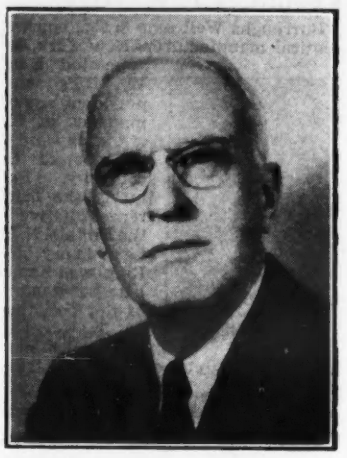
The Packaging Machinery Manufacturers Institute has established its own independent office in Room 736 at 342 Madison avenue, New York City, following its detachment from the Packaging Institute, Inc., has been made by George W. von Hofe, president of the Packaging Machinery Manufacturers Institute, who is president of the New Jersey Machine Corporation, Hoboken, N. J.

The Packaging Machinery Manufacturers group which was incorporated in 1933, had shared joint office and administrative facilities with the Packaging Intsitute at 342 Madison avenue since 1939, until the recent change. Miss H. L. Stratton will continue as secretary-treasurer of the Packaging Machinery Manufacturers Institute.

Urey Honored by Oxford

Oxford University, December 14, conferred the honorary degree of doctor of science on Dr. Harold Clay Urey, professor of chemistry at the University of Chicago. The honor recognized particularly Dr. Urey's work in nuclear research.

Victor Chemical Head



Walter B. Brown, executive vice-president of the Victor Chemical Works, Chicago, will become president January 1, succeeding August Kochs, who will become chairman of the board.

Chemical Production In U.S. German Zone

OPD Washington Bureau

The table below, on production of selected industrial items in the United States zone of Germany, was compiled on the basis of data in the August report of the Military Governor. It shows monthly averages attained or expected in the periods noted.

	Tons		
	1938	1946	1949
Acetaldehyde	.....	5,738	.....
Acetic acid	.....	1,566	.....
Acetone	.....	389	.....
Calcium carbide	.....	60,149	17,000
Chlorine	.....	6,979	2,200
Cleansing agents	.....	14,925	†3,000
Coaltar, crude	*4,200	8,786	.....
Cyanamide (N_2 basis)	4,400	12,670	3,750
Dyes, ready for sale	.....	376	900
Hydrochloric acid (30% HCl)	.....	11,106	.....
Insecticides	.....	3,290	.....
Nitrogen compounds, n.e.s. (N_2 basis)	2,260	2,166	.....
Paints, varnishes, lacquers	.....	11,448	3,500
Phosphates (P_2O_5 basis)	1,650	821	2,000
Potash (K_2O basis)	14,600	43,346	20,000
Slag, Thomas (P_2O_5 basis)	550	1,253	.....
Soap	.....	8,732	2,200
Soda ash	3,200	16,202	14,000
Soda, caustic (Na_2O basis)	.....	10,075	2,000
Sulphuric acid (SO_3 basis)	.....	7,969	12,500

* 1936.
† Excludes scouring powders.

MUNN'S GENUINE COD-LIVER OIL MADE IN NEWFOUNDLAND

MUNN'S
NEWFOUNDLAND
MEDICINAL NON-FREEZING
COD LIVER OIL

Largest Manufacturers of Cod Liver Oil in Newfoundland for Over Fifty Years

Wire for lowest prices

W. A. MUNN & COMPANY, LTD.
ST. JOHNS - NEWFOUNDLAND

METHYL SALICYLATE
U.S.P.

Important Flavoring Agent, Antirheumatic, Antiseptic

DOW

THE DOW CHEMICAL COMPANY
MIDLAND, MICHIGAN

Graham Elected Head Of ACS Detroit Unit

Carl F. Graham, research analytical supervisor of the Wyandotte Chemicals Corporation, Wyandotte, Mich., has been elected chairman of the Detroit section of the American Chemical Society. He will take office on January 1, succeeding Dr. Everett L. Henderson, of the department of chemistry of the University of Detroit.

Dr. Charles K. Hunt, applied research superintendent of Sharples Chemicals Inc., Wyandotte, has been chosen chairman-elect. He will become chairman on January 1, 1948.

Dr. George Rieveschl jr., research chemist of Parke Davis & Co., was named secretary, and Dr. Herbert C. Brown, associate professor of chemistry at Wayne University, treasurer.

The following will represent the section on the society's national council:—Dr. Charles G. Duncombe, director of the department of chemical engineering at the University of Detroit; Dr. George Calingaert, director of research, and Dr. Frances W. Lamb, research chemist of Ethyl Corporation; Dr. James M. Orten, associate professor of physiological chemistry, and Dr. Stuart McLain, director of the department of chemical engineering, Wayne University; Roger E. Marce, director and treasurer of the Neilson Chemical Company Laboratories; Dr. W. G. Frederick, director of the bureau of industrial hygiene of the Department of Health, Detroit; and Dr. Henderson.

Commercial Laboratories Group Elects Officers

The American Council of Commercial Laboratories at its annual meeting recently held in Chicago, Illinois, elected the following officers for 1947: President, H. L. Sherman, Skinner & Sherman, Inc., Boston, Mass.; vice-president, F. B. Porter, Southwestern Laboratories, Fort Worth, Tex.; treasurer, G. J. Esselen, Esselen Research Corporation, Boston, Mass.; secretary, B. L. Oser, Food Research Laboratories, Inc., Long Island City, N. Y. and executive secretary, A. J. Nydick, 225 Broadway, New York.

Sugar Research Awards To Total $40,000

OPD Washington Bureau

Scientists of all countries have been invited to compete for prizes totaling $40,000 posted by the Sugar Research Foundation, it was announced by Dr. Harlow Shapley, chairman of the National Science Fund of the National Academy of Sciences.

Established to stimulate scientific studies of sugar as a food and an industrial raw material which may lead to its greater usefulness, awards of $5,000 will be given in 1947, 1948 and 1949, with a Grand Prize of $25,000 to be given in 1950 for the most significant discovery of the preceding five years. Winners of the preliminary awards are also eligible for the grand prize.

Hydrocarbon Research Gets Army Contract

OPD Washington Bureau

Manhattan Project, War Department agency for atomic energy, has announced the award of a contract to Hydrocarbon Research, Inc., New York, for architectural and engineering services in connection with the construction of the Brookhaven National Laboratory, Patchogue, Long Island, N. Y.

The new laboratory, one of a chain of government sponsored and financed atomic research laboratories, will be built on the site of former Camp Upton. The laboratory will be operated under contract by Associated Universities, Inc., special research agency formed by nine major eastern universities.

Hart Joins CPA Inorganics Branch

OPD Washington Bureau

Wilson T. Hart, who throughout the war was connected with the fertilizer branch of the Office of Price Administration, has transferred to the inorganics branch of the Civilian Production Administration. He replaces Miss Agatha V. Kobs, who has joined the United Nations Food Council.

Mr. Hart will continue to handle problems connected with the fertilizer industry which presently center upon the nitrogen supply situation. He can be reached by telephone on REpublic 7500, Branch 72021.

G.E. Chemical Dept. Names George to New Post

Ernest E. George has been appointed engineer of the metallurgy division of the General Electric Chemical Department. Mr. George joined General Electric on the test course in 1933. He was associated with the Schenectady Works laboratory from 1935 until 1945 when he became a member of the Carbon Products Engineering Division.

INDUSTRIAL AND PHARMACEUTICAL *Chemicals*

Quinine Sulfate

U. S. P.

Available for prompt delivery subject to government allocation.

R.W.GREEFF & CO. INC.

10 ROCKEFELLER PLAZA NEW YORK CITY

TRIBUNE TOWER CHICAGO, ILL.

SULFON PHTHALEIN INDICATORS

Phenol Red, U.S.P — Cresol Red — Thymol Blue
Brom Phenol Blue — Brom Cresol Purple
Brom Thymol Blue — Brom Cresol Green

Quotations Upon Request

The COLEMAN & BELL COMPANY, Inc.
Manufacturing Chemists NORWOOD, OHIO, U.S.A.

C&B

COLEMAN & BELL

BERLO

SELLING AGENTS FOR FOREIGN EXPORTERS
MENTHOL
BUYING AGENTS FOR FOREIGN IMPORTERS
FINE AND PHARMACEUTICAL CHEMICALS
TECHNICAL CHEMICALS
EXPORT SALES AGENTS FOR DOMESTIC MANUFACTURERS OF
CHEMICAL AND PHARMACEUTICAL RAW MATERIALS
(DDT, DDT INSECTICIDES, INSECTICIDAL CHEMICALS, AEROSOL INSECTICIDE BOMBS, etc.)
Cable Address: Berlage, New York

TELEPHONE: MUrray Hill 7-7520

J. Berlage Co.

10 East 40 Street New York 16, N.Y.

HIGHLY CONCENTRATED
ECONOMICAL IN USE
UNIFORM IN QUALITY
TIME AND LABOR SAVERS

PENICK'S OPTIMO BRAND

SOLID EXTRACT COCILLANA COMPOUND
SOFT BENZOIN COMPOUND
KOLA EXTRACT, SOLID, ALCOHOLIC OR AQUEOUS
SOFT EXTRACT OF HOREHOUND

Manufactured under a rigid step-by-step laboratory control system, these Penick products are of guaranteed quality and uniformity.

They are highly concentrated, easy to mix and economical in use, being true labor and time-savers in production.

SOLID EXTRACT OF WHITE PINE COMPOUND

For the extemporaneous preparation of Compound Syrup of White Pine, N.F.

The use of this vacuum prepared extract eliminates the time taken in percolation of the mixture of prescribed drugs, avoids loss of alcohol and at all times produces a fine syrup of uniform color, flavor and odor.

S. B. PENICK & COMPANY

50 CHURCH STREET NEW YORK 7, N. Y. Telephone, COrtlandt 7-1970

735 WEST DIVISION STREET, CHICAGO 10, ILL. Telephone MOHawk 5651

FOR QUALITY AND SERVICE
TITANIUM POTASSIUM OXALATE
LANOLIN ANHYDROUS, U. S. P.
CERIUM NITRATE
RUMETAN
THORIUM NITRATE
P&B
SINCE 1900
Pfaltz & Bauer, Inc.
EMPIRE STATE BUILDING, N. Y.

MANUFACTURING CHEMISTS
SODIUM MONOMETHYL ARSONATE (Arrhenal)
Strictly French Codex
CHINIOFON U.S.P.
CHINIOFON ACID
LAMEX CHEMICAL CORP
19 West 44th Street, New York 18, N. Y.
MUrray Hill 2-0040

QUALITY IN QUANTITY
METALSALTS CORPORATION
METALSALTS CORP.
Manufacturing Chemists
MERCURY and MERCURIALS
27 FIRST AVENUE, PATERSON 4, N. J.
Paterson: ARmory 4-4422 · New York: PEnnsylvania 6-2626

Fungicide Tests Told In Army Report

OPD Washington Bureau

Tests for determining the strength of fungicide compounds in mildew-proofed materials are described in an Army manual now on sale by the Office of Technical Services, Department of Commerce.

This manual was prepared by technicians at the Jeffersonville Quartermaster Depot, Jeffersonville, Ind., to aid in the inspection of military textiles. The authors believe it useful for further research on mildew-proofing. It may also prove valuable to industrial firms which manufacture or handle fungicide-treated materials.

Most of fungicide treatments described in the report are used for cotton textiles, but some are applicable to wood, paint, leather, and wool.

Tests for the following fungicides are described:—

Copper (including copper naphthenate and copper ocyquinolate), pentachlorophenol, dihydroxy-dichloro-diphenylmethane (DDDM), organo-mercurials, tetrabromorthocresol, zinc diethyldithio carbamate, salicyl anilide, amino guaiacol benzothiazole imino urea, hyamine 3258, silver.

Orders for the report ("Methods of Analysis for Fungicides"; PB-39772; photostat, $4; microfilm, $2; fifty-four pages, including drawings), should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order payable to the Treasurer of the United States.

WAA Sells Alcohol Plant in Northwest

OPD Washington Bureau

War Assets Administration has approved the sale of a Bellingham, Wash., alcohol plant to its wartime operator, the Puget Sound Pulp & Timber Company, for $450,000.

Designed for the production of alcohol from sulphite waste liquor, the plant is the only one of its type in the United States. It has a rated capacity of 6,140 gallons of ehtyl acohol a day.

The property consists of a single "T"-shaped building containing approximately 42,000 sq. ft. of floor space and all necessary and related production equipment including purifying and rectifying columns, coolers, stills, and tanks.

The purchaser is presently occupying the plant under a leasing arrangement. Conversion of the plant to the manufacture of denatured alcohol is being anticipated.

Hooker Establishes $50,000 Endowment

Harry M. Hooker, chairman of the board of the Hooker Electrochemical Company, Niagara Falls, N. Y., has established a $50,000 endowment fund for the department of chemistry at the University of Rochester.

The fund will be paid to the University in increments of $5,000 a year for ten years and is to be used for general purposes for the department. Mr. Hooker graduated from the university in 1894.

Penicillin Decontrol Requested of OTC

OPD Washington Bureau

One of the first control orders to be revoked by the newly-formed Office of Temporary Controls may be that covering the distribution of penicillin, it is learned.

A recommendation that the penicillin allocation order, Schedule 118 of M-300, be revoked effective the first of the year, is understood to have gone forward to the officials for their consideration.

Amfre to Distribute Tosse & Co. Products

Amfre Drug Company, pharmaceutical manufacturer, New York, has acquired the rights to manufacture and distribute the products of E. Tosse & Company, producer of ampul specialties. Tosse products will be sold through a special division of Amfre from the latter's headquarters in New York.

Squibb Names Gaunt To N.J. Plant Post

E. R. Squibb & Sons, manufacturing chemists, New York, has appointed Dr. William E. Gaunt technical director and head of the division of product development of its New Brunswick, N. J., manufacturing laboratories.

Trade Briefs

Southern Research Institute has added to its staff W. H. Abernethy, formerly research chemist with the Goodyear Tire & Rubber Company, Akron, Ohio.

Glenn S. Rabideau, former chemist with the McLaughlin Gormley King Company, Minneapolis, has been named assistant professor of the department of botany and bacteriology at the University of Texas.

Bristol Laboratories will construct another new building at Syracuse, N. Y., to provide manufacturing facilities for new antibiotics after they have passed the laboratory stage and are ready to go into full-scale manufacture.

R. GESELL
INCORPORATED
Manufacturing Chemists
★
Specializing in Private Formula Work
★
200 WEST HOUSTON STREET
NEW YORK 14, N. Y.

NIKETHAMIDE
expertly distilled to meet all specifications.
Immediate delivery.
ORTHO CHEMICAL CORP.
44-26 Purvis Street
Long Island City 1, N. Y.
STillwell 4-8473

Dowe's means Dependable
PRODUCERS OF
FISH LIVER OILS
VITAMIN A CONCENTRATES
VITAMIN D_2
Dowe's Vitamins, Inc.
4800 S. RICHMOND STREET
CHICAGO 32, ILL.

Far East Seeking West's Science Data

The Orient is abandoning its age-old aloofness from the West, and is turning eagerly to Western science and technology, Dr. Robert R. Williams, research director of the Research Corporation, New York, declared December 16 in an address to the Rochester section of the American Chemical Society.

Enormous industrial progress is promised, once the handicaps of war's devastation are overcome, said Dr. Williams, winner of the 1947 Perkin Medal of the Society of Chemical Industry, who visited the Far East recently to help the governments of China and the Philippines initiate rice-enrichment programs to improve public health.

In China, traditional reluctance to accept foreign ideas has been supplanted by "a great avidity for everything new and modern," according to Dr. Williams, who reported that the Chinese are anxious to expand their chemical industry and to engage in industrial research. Chinese business men, he added, seek the services of American scientists as managers to speed this development.

A tremendous interest in scientific training in China and the Philippines provides further evidence that receptivity toward western science is at a high point, Dr. Williams declared.

Although starvation was prevalent in some parts of China, it was absent in Shanghai and Nanking, and the fields between those cities were fully planted with rice and well cultivated, "Furnishing one with a conviction that the economic rehabilitation of China will come first and primarily through her farming," Dr. Williams continued. Because of poor milling, shipping and cooking practices, however, the Chinese rice supply is "the dirtiest and most adulterated which I have seen," he declared, adding that the best hope for rice improvement appears to lie in the China Food Industries Corporation which has a progressive manager and a Western-trained staff of chemists and engineers.

The food agency, a government unit, was greatly interested in the plan for fortifying rice with vitamins to fight beriberi, a vitamin-deficiency disease, and a Rice Improvement Board was organized to conduct an experimental project, he reported.

In Manila, war damage was much more obvious than in Shanghai because most of the city's public buildings and medical, educational and scientific centers, were demolished, Dr. Williams said, but general outlook of the people was relatively good.

The Philippine rice industry is much more efficient than the Chinese, the mills being surprisingly well mechanized and modern, Dr. Williams said. The vitamin-enrichment proposal was well received by the government, and an experimental project is to be sponsored by the government financed National Rice and Corn Corporation, he stated.

An appeal to scientists of the United States to help their colleagues in the Philippines was made by Dr. Williams, who pointed out that among the war casualties in Manila were the Bureau of Science, the Medical School and a large part of the Philippine General Hospital, as well as the University of the Philippines, where a total of 600,000 to 700,000 library books were destroyed by fire.

Reynolds Leases Ohio Aluminum Facilities

OPD Washington Bureau

The Newark, Ohio, aluminum smelting and casting facilities will be placed in operation by Reynolds Metals Company, Richmond, Va., War Assets Administration announced in approving a five-year lease of the plant to Reynolds. The facility formerly was operated by the Aluminum Company of America.

Sponsored by the War Production Board, the property consists of a land tract of 300 acres on which are located thirty-six buildings. During the war the facility turned out 10,000,000 pounds of aluminum blooms and 15,000,000 pounds of rods per month. Land and buildings cost $12,112,549 and machinery and equipment, $11,300,763.

Rentals to be paid by Reynolds Metals Company are five percent of net sales, with minimums as follows: First year: $200,000; second, $250,000; third, $300,000; fourth, $400,000; and fifth year, $500,000.

After WAA puts the plant in operating condition at a cost not to exceed $150,000. Reynolds expects to employ between 300 and 400 persons.

ACS Section Plans Symposium Dec. 30-31

A symposium on "Color and Electronic Structure of Complex Molecules" will be conducted by the division of physical and inorganic chemistry of the American Chemical Society at Northwestern University, December 30-31.

The event will be dedicated to the memory of Professor Gilbert N. Lewis, dean of the College of Chemistry at the University of California, and one of the nation's leading chemists, who was actively interested in this field in the years immediately prior to his death last March, according to an announcement by Professor Paul M. Gross of Duke University, chairman of the division.

Professor Paul C. Cross of Brown University is chairman of the symposium, at which fifteen technical papers will be presented. Sessions on Monday, December 30, will be held in the Technological Institute on the Northwestern campus at Evanston, Ill. The meetings on Tuesday will take place in Thorn Hall on the Chicago campus of the university. Headquarters will be in the Stevens Hotel, Chicago.

Geigy Opens New DDT Laboratory

The Geigy Company, New York division of J. R. Geigy S.A., Basle, Switzerland, has opened a new laboratory on a site adjoining its plant in Bayonne, N. J. The new facilities will be used primarily for work in the DDT insecticide research programs of the company, the Federal government and state experiment stations. Dr. George R. Ferguson, chief entomologist of the company, is in charge of the laboratory.

Bjorksten Incorporates Research Laboratories

Dr. John Bjorksten, owner of the Bjorksten Laboratories, Chicago, announces that he is forming a corporation under the name of Bjorksten Research Laboratories. This corporation will continue to expand the business of Bjorksten Laboratories.

The officers of the corporation are Dr. Johan Bjorksten, president and treasurer; Stuart O. Fielder, vice-president, and A. Charles Lawrence, secretary.

Bristol-Myers Names Lathrop Plant Head

Palmer J. Lathrop, who has been associated with Bristol-Myers Company, New York, since 1931, has been named manager of the firm's Hillside, N. J., plant. He was formerly special assistant to William M. Bristol, executive vice-president.

Continental Can Plans To Buy Fiber Firm

Sale of the Hummel-Ross Fiber Company, Hopewell, Va., to the Continental Can Company, New York, has been approved by Hummel-Ross directors. Stockholders of the fiber company will vote on the plan February 4.

Trade Briefs

National Folding Box Company has elected Walton D. Lynch, president.

General Aniline & Film Corporation directors have taken no action on the common dividends due in December because of the heavy capital expenditures required for 1947.

Sherwin-Williams Company is distributing nationally a new garden insecticide to be ejected from a new-type dust gun developed by the company. The insecticide is called "Bug Blaster."

General Aniline & Film Corporation, New York, will distribute to its employers a year's-end bonus of approximately $620,000. All employers, except officers, with a service record of six months or more, will share.

Check These Features of
ATLAS *Non-Ionic Emulsifiers:*

- ✓ Neutral and versatile
- ✓ Form emulsions stable to freezing and electrolytes
- ✓ Pre-formed, and generally non-toxic
- ✓ Compatible with many surface active agents of the ionic type

ATLAS POWDER COMPANY
INDUSTRIAL CHEMICALS DEPARTMENT
Wilmington 99, Delaware

DISTILLED
...concentrates of **VITAMIN A**
BLAND...STABLE...DEPENDABLE IN POTENCY
Produced by high-vacuum molecular distillation
DISTILLATION PRODUCTS, INC.
Rochester 13, New York ... 570 Lexington Avenue, New York 22, New York
135 South LaSalle Street, Chicago 3, Illinois
"Oil-Soluble Vitamin Headquarters"

SPECIAL CHEMICALS
of Assured Quality

Allantoin
(*medicinal*)

Allyl Amine
(*intermediate for diuretics*)

Aluminum i-Propylate
(*reducing agent*)

Chorionic Gonadotropin
(*medicinal*)

★ WRITE FOR OUR PRICE LIST No. 11-9 LISTING OVER 80 OTHER EDWAL PRODUCTS.

THE EDWAL LABORATORIES, INC.
732 FEDERAL STREET, CHICAGO 5, ILLINOIS

★ ★ ★ ★ ★

Government-Owned Surplus

DESICCITE & DRIOCEL

★ ★ ★ ★ ★ ★

Approximately 1,700,000 Pounds Desiccite

Approximately 750,000 Pounds Driocel

Desiccite and Driocel are both desiccants and dehydrating agents. Desiccite is a trade mark name for dehydrated bentonite and driocel is activated alumina made from bauxite.

The uses for both these products are numerous. During the war large quantities were used for preserving goods, both during shipment and in storage. They can also be used for clarifying oil, for dehydrating gases, as a desiccant or dryer in packages, and for maintaining a dry atmosphere in warehouses, etc. These desiccants can be reactivated by heating at low temperature.

Packaged: In cotton bags of various sizes from five grams to seven and one-half pounds sealed in iron drums, also in bulk form in sealed drums.

Minimum Quantities: 5000 pounds in either packages or bulk.

This material is offered, as is, subject to the right of inspection by the prospective purchaser at its location. No warranty is made either expressed or implied, except as to title. This material is available for sale at the following War Assets Administration Regional Offices in these approximate quantities:

DESICCITE	LBS.		
Boston	137,500	San Francisco	435,300
Chicago	6,689	Seattle	211,133
Detroit	85,655	**DRIOCEL**	**LBS.**
Kansas City	57,307	Dallas	16,888
Minneapolis	319,615	Philadelphia	164,350
New York	406,510	St. Louis	508,600
Philadelphia	22,860	San Francisco	5,000
		New York	76,450

BIDS to purchase all or any part of the above material f.o.b. location will be received for consideration UNTIL NOON, JANUARY 30, 1947, by the regional offices having the inventory.

WAR ASSETS ADMINISTRATION reserves the right to reject any or all bids; to make awards in whole or in part; or to extend the period of the sale. Material is subject to withdrawal prior to contract.

RESERVE FOR PRIORITY CLAIMANTS:

This material is offered for sale in the following sequence as provided by law: (1) Certified Veterans of World War II; (2) Subsequent priority claimants in proper sequence; (3) Non-priority purchasers. Federal agencies have had opportunity to fulfill their needs. Veterans of World War II should apply to their nearest War Assets Administration certifying office for certification. The case number shown on the certification, the date of the certificate, and the location of the certifying office must be stated in a veteran's offer to purchase.

Priority purchasers are entitled to purchase surplus property at the fair value thereof. The fair value of this material for priority claimants will be determined by an analysis of bids submitted by non-priority bidders and will be the lowest price at which this material will be awarded to a non-priority bidder. Bids or offers to purchase should be submitted by priority claimants up to noon, January 30, 1947 in accordance with the above, and thereafter WAA will advise priority claimants submitting bids of the fair value of the material as stated above.

Mark your envelope "OFFER TO PURCHASE DESICCITE or DRIOCEL NSP 2005" and mail it to any Regional Office having the inventory.

★ ★ **WAR ASSETS ADMINISTRATION** ★ ★

915

Labor Relations

—Continued from page 5

penter. His hiring wage was 90 cents an hour. A few months later, he was given a 5-cent increase, which was repeated at various intervals on five different occasions thereafter up to January, 1946, when his rate was $1.15 an hour. This was later further increased by the 18½ cents general increase given to all the employees in the plant, bringing the complainant's rate, at the time of his discharge, to $1.38 an hour.

The complaining employee was discharged July 10, 1946, on the grounds of incompetency. The company, in justification of the discharge, pointed out that the complainant was originally hired as a carpenter and that it was soon after that it became aware of the fact that he was not in fact a first-class carpenter. However, the acute labor shortage during the war compelled the employer to keep "W". The fact was, nevertheless, said the company, that "W" was never able to perform the duties of a fully qualified carpenter and that other carpenters refused to work with him. The company also charge "W" with loafing and a considerable amount of "visiting." It insisted that he was incompetent and that under the "just cause" discharge provision of the union agreement, it was justified in discharging him.

The union insisted that the discharge should be set aside and full backpay awarded to the complainant. It stressed the fact that "W" received many salary increases since he was originally hired. Nor was he told by his supervisors that his work was unsatisfactory. He, therefore, had no reason to believe that he was anything but a satisfactory employee.

The union further argued that it was unfair and unjust to discharge this employee without prior warnings by the employer. It noted that "W" was a shop steward and contended that harmonious relationship between the parties cannot be realized by the employers' firing a steward without first giving the union a chance to correct any bad situation.

Dissatisfaction Must Be Shown

The board of Arbitration in the case, with the employer member dissenting, refused to sustain the discharge. Although it found that the complainant was not a "first-class" carpenter, the fact remained that, based on his experience with the employer, the employee had little occasion to believe this of himself. The majority opinion felt it to be a responsibility of management to "point out errors of employees and to assist employees in improving their work." They found the record as showing few, if any, occasions when the complainant received any advice from his supervisors that he was not properly performing his job.

The opinion goes on to point out that as much as the arbitration board recognizes the labor supply exigencies of the war and the resulting misclassification of employees into jobs higher than what their abilities merited, the fact remains, however, that this employee was hired as a carpenter and permitted to remain on in the company's employ during the thirty-day probationary period provided for in the agreement.

The arbitration board lays much importance on the fact that about six merit increases were given by the employer to the complainant since the date of his original hire, in addition to a general increase of 18½ cents. It also notes two voluntary reinstatements after the employee had quit his job. It further rationalizes that, if the complainant was incompetent at the time of his discharge, such state of incompetency must have commenced on the date of his hire and continued up to and on the date of each of the merit increases right down to the time of his discharge. Nor was there any attempt made by the employer to invoke his rights under a supplemental wage agreement with the union which permitted the employer to reclassify or downgrade improperly classified employees. The board seems to imply that the employer's remedy laid in downgrading rather than discharging the employee.

Propriety Is Qualified

The board finally concludes that the complainant's discharge was not from proper cause and, therefore, could not be sustained. The employer was ordered to reinstate the complainant without loss of seniority. Interestingly enough, only one-half of the amount of backpay was granted. Considering the fact that the general practice in cases of discharge without cause is the awarding of full backpay, the fact that only one-half backpay was granted here is most significant. It manifests a strong implication that the arbitrators felt that the empolyee was in fact misclassified and had been paid during the period of his employment more than his true skill and ability warranted and that a downgrading to a class II carpenter rating with its lower rate should have been applied here.

The case serves to point up certain basic principles, as follows:—

1. The right of discharge for incompetency, to be true, cannot and should not be denied. Job security and efficiency of production can and must be squared. They are interdependent. This right of discharge for incompetency cannot, however, be viewed in the abstract. Its true meaning and effect can only become viable when viewed against the full facts and circumstances in each particular case. Generalizations are to be avoided. The invocation of this discharge right of an employer without full regard to the facts in the particular case is thus hazardous.

2. Absence of prior notice or warning and the failure of the employer to point out errors and assist the employee in improving his work are an influencing factor in the discharge case.

3. Condonation or waiver of prior incompetency may be charged to the employer by the continuation of the allegedly incompetent employee in employment beyond the probationary period or by the granting of merit increases.

Have You Any

FILTERING PROBLEMS

Our many years of experience in helping to solve filtering problems in various industries, may be of help to you.

Our Research Dept. will be glad to give you the benefit of this experience, if you will write us, explaining any problems you may have.

Filtering Fabrics and Finished Filter Mediums

FILTER FABRICS

1255 West 4th St. Cleveland 13, Ohio

Van Gelder-Fanto Corporation

52 VANDERBILT AVENUE

NEW YORK 17, N. Y.

Telephone: LExington 2-4901-4

Season's Greetings

Ferric Chloride

U.S.P.

crystals and solution

Basis of Many Iron-containing Medicinals and Pharmaceuticals

DOW

THE DOW CHEMICAL COMPANY

MIDLAND, MICHIGAN

Industrial Applications

—Continued from page 7

used as coatings for protecting and decorating ceramic articles.

Chemical—Reactant in organic syntheses.

Reactant in making intermediates and other organic chemicals.

Solvent for various purposes.

Starting point in making propylaldehyde, propyl compounds, such as the acetate, acetoacetate, benzoate, butyrate, chloroacetate, chlorosulphonate, citrate, lactate, malate, oleate, oxalate, propionate, salicylate, succinate, sulphate, tartrate, valerate and others.

Cellulose Products — Ingredient of solvent mixtures for cellulose acetate, ethylcellulose, nitrocellulose and other cellulose esters and ethers.

Preshrinking agent for ethylcellulose.

Reagent for removing diphenylamine from nitrocellulose.

Solvent for cellulose esters and ethers.

Swelling agent for cellulose esters and ethers.

Cosmetic — Ingredient of hair-curling, hair-setting, hair-washing preparations and others.

Solvent in nail enamels and lacquers containing cellulose esters as base material.

Dye—Reactant in dye syntheses.

Solvent for diphenylamine.

Electrical — Solvent in insulating compositions, containing cellulose esters, used for covering wire and in making electrical machinery and equipment.

Explosives — Reagent for removing diphenylamine from smokeless powder.

Stabilizer (French 616327) for nitrocellulose (to render it non-explosive and safe to handle).

Fats, Oils and Waxes — Extractant for waxes.

Food — Extractant (French 597392) in decaffeinating coffee.

Extractant in making fruit, spice and other flavoring extracts.

Leather — Solvent in compositions, containing cellulose esters or ethers, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods.

Miscellaneous—Ingredient of solvent mixtures for polishes.

Solvent in coating compositions, containing cellulose esters or ethers, used for protecting and decorating articles of various compositions.

Paint, Varnish and Lacquer—Ingredient of dopes, finish removers, paint and varnish removers, solvent mixtures for paints, varnishes, dopes and lacquers.

Paper — Solvent in compositions, containing cellulose esters or ethers, used in the manufacture of coated papers and as coatings for decorating and protecting articles made of paper or pulp.

Photographic—Ingredient of solvent mixtures.

Preshrinking agent for ethylcellulose.

Solvent for cellulose esters and ethers.

Swelling agent for cellulose esters and ethers.

Petroleum — Reagent in refining processes.

Plastics—Solvent for celluloid.

Solvent in making laminated fiber products, molded articles, plastics from or containing cellulose esters or ethers.

Resins—Extractant for decolorizing resins of poor quality.

Rubber — Solvent in compositions, containing cellulose esters or ethers, used as coatings for protecting and decorating rubber goods.

Stone — Solvent in compositions, containing cellulose esters or ethers, used as coatings for decorating and protecting artificial and natural stone.

Textile — Solvent in compositions, containing cellulose esters or ethers, used in the manufacture of coated fabrics.

Wood — Solvent in compositions, containing cellulose esters or ethers, used as protective and decorative coatings on woodwork.

KESSCO PRODUCTS
CHEMICAL SPECIALTIES

TRIACETIN
DIBUTYL TARTRATE
BUTYL STEARATE BUTYL OLEATE
BUTYL "CELLOSOLVE"* STEARATE
METHYL "CELLOSOLVE" OLEATE
*TRADEMARK OF CACCC

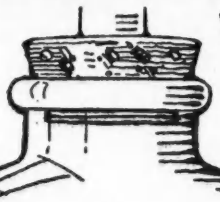
FATTY ACID ESTERS
STEARATES PALMITATES
OLEATES RICINOLEATES
LAURATES

for the
Textile, Cosmetic, Pharmaceutical
Petroleum, Plastic and Allied
Industries

KESSLER CHEMICAL CO., INC.
ESTABLISHED 1927
STATE ROAD and COTTMAN AVE. PHILADELPHIA 35, PA.

HEMA HEMA HEMA HEMA HEMA HEMA HEMA

HORMONES



Manufacturers of
• ESTROGENIC HORMONES
• TESTOSTERONE
• PROGESTERONE
and
OTHER HORMONES
HEXYLRESORCINOL USP XII
FINE CHEMICALS

HEMA DRUG CO., inc.
Manufacturers of rare chemicals
66-38 CLINTON AVE. MASPETH, NEW YORK
Tel. NEWTOWN 9-2110

MILK SUGAR
(LACTOSE)

CASEIN
("KB" BRAND)

and

OTHER MILK PRODUCTS

Highest Quality

•

Manufactured since 1917
by
CALIFORNIA MILK PRODUCTS COMPANY
DIVISION OF
SMITH, KLINE & FRENCH LABORATORIES
429 ARCH STREET
PHILADELPHIA 5, PA.

Barnett's
CAROTENE

FREE TESTING SAMPLES

Ideally suited as a source of Vitamin A and coloring for many food and pharmaceutical products. No fishy odor or taste. Potencies up to 1,350,000 units per gram. NEW LOW PRICES.

BARNETT LABORATORIES
6258 Cherry Avenue Long Beach 5, California

Clarke Distilleries, Ltd.

DISTILLERY — CARIBOU, MAINE
MANUFACTURERS OF:
ALCOHOL PURE - DENATURED
ALL AUTHORIZED FORMULAS — DRUM OR TANK CAR DELIVERIES
SALES OFFICE STATLER BUILDING BOSTON 16 MASS. HUBBARD 1198

CAROTENE CRYSTALS
(Alfalfa Leaf)
Stabilized at 1,400,000 USP Vitamin A units per gram
Lowest Prices — Immediate Deliveries — Packed for Export
AMERICAN CHLOROPHYLL INC. Alexandria, Virginia
Processors and Refiners of
CHLOROPHYLL, CAROTENE, XANTHOPHYLL Since 1933

CONRAY
PRODUCTS CO.
510 AVENUE OF THE AMERICAS
NEW YORK 11, N. Y. GRAMERCY 3-5905
CABLE ADDRESS
"CONRAYPRO"

ACID TARTARIC U.S.P. (IN BOND)
BALSAM PERU U.S.P.
CHLORAL HYDRATE U.S.P.
CREAM OF TARTAR U.S.P. (IN BOND)
POTASH CHROME ALUM
METOL
DICHLORETHYLENE ETHER
SULFADIAZINE
HYDROQUINONE

Imports at U. S. Ports

New York Imports

ACID—54 bbls, International Selling Corp, Havre

ALGINATE, POWDERED—50 bgs, American Express Co, Havre

AMMONIA SULPHATE—980 bgs, H J Baker & Bro, Liverpool

AMYRIS OIL—8 dms, National City Bank, Port au Prince—3 dms, Corn Exchange Bank, Port au Prince

ANGELICA SEED—5 bls, Peek & Velsor, Antwerp

ANILIN DYES—72 dms, Sandoz Chemical Works, Havre—83 dms, Ciba Co, Antwerp—73 dms, Sandoz Chemical Works, Cherbourg—20 dms, Carbic Color & Chemical Co, Cherbourg

ANISE—100 bgs, R J Prentiss & Co, Beyrouth—160 bgs, French American Banking Corp, Beyrouth—80 bgs, Levy & Levis, Istanbul—60 bgs, Norwalk Mills, Istanbul—100 bgs, W E Marton Co, Istanbul

ANISE OIL—37 dms, W J Bush & Co, Hongkong—40 dms, Consumers Import Co, Hongkong—15 dms, Trubek Laboratories, Hongkong—10 dms, Geo Uhe & Co, Hongkong—5 dms, Orbis Product Corp, Hongkong—25 dms, Magnus, Mabee & Reynard, Hongkong—5 dms, Florasynth Laboratories, Hongkong

ANNATTO SEED—13 bgs, L E Ransom Co, Kingston—220 bgs, D Steengrafe & Co, Guayaquil—50 bgs, Pablo Calvet & Co, Puna—55 bgs, H Kohnstamm & Co, Puna—110 bgs, D Steengrafe & Co, Puna

ANTRAQUINONE—18 cks, Liverpool

ARABIC GUM—69 bgs, E Meer & Co, Khorramshahe

ARSENIC CONCENTRATE—4 bbls, American Cyanamid & Chemical Corp, Gothenburg

ARTISTS MATERIALS—27 cs, Winsor & Newton, London

ASPHALT, MINERAL—410 bgs, G S Ziegler & Co, Havana

BALSAM—1 cs, Universal Transport Corp, Antwerp

BARBASCO ROOT—3,545 bls, Otis Astoria Corp, Belem—2,180 bls, American Rotenone Co, Belem—125 bls, Dominican Bank, Callao

BASILIC LEAVES—25 bls, Peek & Velsor, Marseilles

BAUXITE RESIDUE—800 bgs, Reichard, Coulston, Inc, Glasgow—600 bgs, Glasgow

BEES WAX—15 bgs, Catz American Co, Havana—22 bgs, Havana—99 bgs, Will & Baumer Candle Co, Havana—28 bgs, E Vadillo, Havana—88 bls, Alias Karzadeb, Khorramshahe—23 bgs, F B Ross Co, Santos—154 blocks, E A Bromund Co, Beira

BENZOIN GUM—43 cs, M R Ziegler, Kohsichang—11 cs, Dodge & Olcott Co, Kohsichang—30 cs, Norda Essential Oil & Chemical Co, Kohsichang

BERGAMOT OIL—40 cs, Lautier Fils, Naples—10 half cs, Chase National Bank, Messina

BILE—5 cks, International Commercial Co, Santos

BISMUTH LEAD—474 bars, Cerro de Pasco Copper Corp, Callao

BONE—302 bgs, American Agricultural & Chemical Co, Buenos Aires

CADMIUM—3 cs, Cerro de Pasco Copper Corp, Callao

CANARY SEED—498 bgs, Knifer & Bolle, Buenos Aires

CANTHARIDES—130 cs, Ellis A Beaumont, Inc, Hongkong

CARDAMOM—20 cs, W E Martin Co, Cochin—2 pkgs, Isthmian SS Co, Kohsichang

CARNAUBA WAX—123 bgs, W R Grace & Co, Fortaleza—422 bgs, American Cyanamid & Chemical Corp, Fortaleza—133 bgs, Wessel, Duval & Co, Fortaleza—112 bgs, Ultra Chemical Co, Fortaleza—210 bgs, Wm M Allison & Co, Fortaleza—77 bgs, Strohmeyer & Arpe Co, Fortaleza—110 bgs, E A Bromund Co, Fortaleza—360 bgs, S C Johnson & Son, Fortaleza

CASEIN—2,400 bgs, Mercantile Metal & Ore Corp, Buenos Aires—1,000 bgs, American British Chemical Supplies, Buenos Aires—1,667 bgs, Eugene Lang, Inc, Buenos Aires

CASSIA—550 bls, A G Dunn, Hongkong—99 bls, Balfour, Guthrie & Co, Hongkong—55 bls, Van Norden & Archibald, Hongkong—125 bls, C Demerest, 100 bls, Hongkong

CASSIA OIL—5 dms, Dodge & Olcott Co, Hongkong

CASTOR BEANS—370 bgs, Guaranty Trust Co, Port au Prince—140 bgs, Baker Castog Oil Co, Les Cayes—1,052 bgs, Baker Castor Oil Co, Port au Prince—5,050 bgs, Baker Castor Oil Co, Bahia

CASTOR OIL—263 dms, Brazil Oiticica, Inc, Fortaleza—150 dms, Balfour, Guthrie & Co, Santos

CELERY SEED—25 cs, Louis Furth, Inc, Marseilles

CEMENT—2,128 bgs, Refractory & Insulation Corp, London

CHALK, CRUDE—200 bgs, The Taintor Trading Co, London—Precipitated, 700 bgs, H J Baker & Bro, Liverpool

CHILLIES—212 bgs, Barclay Bank, Takoradi—912 bgs, Lagos—127 bgs, Liverpool

CHINA CLAY—116 cks, E Fougera & Co, London

CHOLESTEROL—10 cs, Van Gelder-Fanto Corp, Buenos Aires

COBALT METAL—50 cks, African Metal Corp, Antwerp—Oxide, 215 cks, African Metal Corp, Antwerp

COCHINEAL—105 bgs, Duncan Fox & Co, Callao

COLORS—8 cs, A V Berner & Co, Havre

COPRA—985 tons, Gingoog

CORIANDER SEED—672 bgs, Central Hanover Bank, Callao—555 bgs, Louis Furth, Inc, Buenos Aires

CORN SYRUP—301 cks, Buenos Aires—188 cks, Karr, Ellis & Co, Buenos Aires—420 cks, Eugenio Lang, Buenos Aires

COTTON LINTERS—220 bls, New England Waste Co, Pernambuco—172 bls, Geismar & Co, Santos

CRESYLIC ACID—130 dms, Glasgow—100 dms, Schenectady Varnish Co, Liverpool—99 dms, American Cyanamid & Chemical Corp, Liverpool—50 dms, Republic Chemical Co, Liverpool—300 dms, American Cyanamid & Chemical Corp, London—150 dms, Liverpool

CROTON OIL—1 cs, London

CUBE ROOT—96 bls, Morris Hess & Co, Callao—218 bls, Chemical Bank & Trust Co, Callao

CUMIN SEED—400 bgs, French American Banking Corp, Beyrouth—71 bgs, Wm M Allison & Co, Istanbul—400 bgs, Overseas Bartering, Istanbul—300 bgs, Ludwig Muller Co, Istanbul—118 bgs, W L Willner, Khorramshahe—700 bgs, Joensson & Cross, Khorramshahe—188 bgs, Khorramshahe

CYANIDE, PRECIPITATED—14 cs, Irvington Smelting & Refining Works, Puna

CYMBARUM OIL—7 dms, Lo Curto & Funk, Buenos Aires

DRUGS, CRUDE—45 bgs, S B Penick & Co, Leghorn

EARTH COLORS—57 bls, Reichard, Coulston, Inc, Rotterdam

FENNEL SEED—76 bgs, Khorramshahe—100 bgs, Louis Furth, Inc, Buenos Aires

FILTER PAPER—31 cs, H Reeve Angel & Co, London

FISH OIL—208 dms, First National Bank, Callao

FLEASEED HUSK—110 bgs, Calcutta

FLINT PEBBLES—2,206 bgs, Buebendorf Bros, Havre—2,665 bgs, New Jersey Pulverising Co, Havre—2,000 bgs, Buebendorf Bros, London

FLUE DUST—6,511 bgs, American Metal Co, Puna

FUEL OIL—64,076 bbls, Asiatic Petroleum Corp, Curacao—400,000 bbls, Standard Oil Co N J, Aruba

FRANGULA BARK, POWDERED—31 cs, Genoa

FULLERS EARTH—150 bgs, L A Salomon & Bros, London

GALLS—3 cks, American Ferment Co, Buenos Aires

GAMBOGE GUM—10 cs, M R Ziegler, Kohsichang—1 pkg, Isthmian SS Co, Kohsichang

GAS OIL—66,003 bbls, First National Oil Co, Tampico

GELATIN, POWDERED—225 bgs, Royal Bank of Canada, Havre

GENTIAN ROOT—33 bls, J L Hopkins & Co, Marseilles

GERANIUM OIL—1 dm, Givaudan-Delawanna, Antwerp

GINGER—320 bgs, Otto Gerdau Co, Freetown—852 bgs, Balfour, Guthrie & Co, Freetown—2,113 bgs, Freetown

GINGERGRASS OIL—2 cs, Magnus, Mabee & Reynard, Madras

GLUE—20 bgs, Taussig Chemical Co, Havre

GLUESTOCK—16 bls, Darmstadt, Scott & Courtney, Buenos Aires

GLYCERIN—41 dms, C J Schellings & Co, Inc, Kingston

GRAPHITE—158 bgs, Asbury Graphite Mills, Havre

GREAVES—1,601 cakes, Weaver & Hugi, Buenos Aires

GUAPI BARK—216 bls, H E Botzow, Inc, Belem

GYPSUM—13,117 tons, United States Gypsum Co, Windsor

HENNA LEAVES—19 bls, R J Prentiss & Co, Alexandria

HERBS, MED—107 bls, Peek & Velsor, Antwerp—27 bgs, S B Penick & Co, London—5 bls, S B Penick & Co, Buenos Aires—157 bls, Antwerp—4 bls, S B Penick & Co, Antwerp—139 bgs, S B Penick & Co, Rotterdam

IRISHMOSS—150 bls, Krim Ko Corp, Havre—120 bls, S B Penick & Co, Cherbourg

IRON OXIDE—50 bgs, J Lee Smith & Co, Calcutta—68 bgs, C B Chrystal & Co, Liverpool

JASMINE OIL—1 cs, National City Bank, Messina

JUNIPER BERRIES—334 bgs, Kachurin Drug Co, Leghorn—200 bgs, R J Prentiss & Co, Leghorn—367 bgs, S B Penick & Co, Leghorn—34 bgs, International Expediters, Genoa—164 bgs, Brown Bros-Harrimann Co, Leghorn

KETRA GUM—5 bls, Peek & Velsor, Cape Haitien

KOLA NUTS—55 bgs, J A Manton Co, Kingston

KYANITE—200 tons, Golwynne Chemical Corp, Calcutta

LAUREL LEAVES—120 bls, Leghorn

LEAD CONCENTRATES—3,703 bgs, Irvington Smelting & Refining Works, Puna

LEMON OIL—100 qr cs, Irving Trust Co, Messina—50 qr cs, Bank of Montreal, Messina

LEMONGRASS OIL—4 dms, Fritzsche Bros, Port au Prince—11 dms, Corn Exchange Bank, Port au Prince—1 dm, Horace E Gould, Port au Prince—15 dms, Norda Essential Oil & Chemical Co, Cochin

LIME JUICE—390 ctns, Maxfield & Macleer, London—700 ctns, United States Line, London

LIME OIL—3 dms, 1 cs, Fritzsche Bros, Port au Prince

LINDEN FLOWERS—20 bls, Leghorn—98 bls, Corn Exchange Bank, Leghorn

LOCUST BEAN GUM—100 bgs, Stein, Hall & Co, Liverpool

MANGROVE BARK EXTRACT—1,120 bgs, Royal Bank of Canada, Buenaventura

MANNA—11 cs, Max Van Pels, Palermo

MENTHOL—46 cs, Volkart Bros, Santos—10 cs, American Far Eastern Syn, Shanghai—90 cs, R J Prentiss & Co, Shanghai—50 cs, Magnus, Mabee & Reynard, Shanghai—50 cs, Paul A Dunkel & Co, Shanghai

MICA—50 cs, J Garneau Co, Calcutta—12 cs, Schwab Bros Corp—485 cs, Eugene Munsell & Co, Calcutta—26 cs, Wm Brand Co, Calcutta—100 cs, Otto Gerdau Co, Calcutta

MINT LEAVES—7 bls, Peek & Velsor, Marseilles

MOLASSES—457 tons, Standard Brands, Salaverry

MUSTARD BRAN—720 bgs, Atlantis Sales Corp, London

MUSTARD SEED—626 bgs, J E Bernard & Co, Havre—939 bgs, R F Downing & Co, Havre

MYROBALANS, POWDERED—800 bgs, Vermilye Co, Liverpool

NAPHTHALENE—826 bgs, Barr Shipping Co, Antwerp

NAPHTHENIC ACID—1,151 bbls, Standard Oil Co N J, Aruba

OITICICA OIL—1,500 dms, Brazil Oiticica, Inc, Fortaleza—145 dms, S L Jones & Co, Fortaleza—145 dms, Wessel, Duval & Co, Fortaleza—249 dms, Murray Oil Product Co, Fortaleza—246 dms, L N Jackson & Co, Fortaleza—213 dms, Brown Linseed Corp, Recife

OLIVE OIL—188 cs, Locatelli & Co, Leghorn—2,506 cs, Nylos Trading Co, Leghorn—270 cs, Cumberland Dairy Product, Leghorn—323 cs, Potene & Co, Genoa—234 dms, Richard Daniel, Beyrouth—70 dms, Victor Cory & Co, Beyrouth—134 dms, Eastern Commercial Co, Beyrouth—100 cs, Berolic Import Co, Leghorn—440 cs, Groceries Purchasing Co, Leghorn

ORANGE OIL, SWEET—3 cs, Victory Shipping Co, Kingston—2 cs, Gray & Menzies, Kingston

ORANGE PEEL—74 bgs, Peek & Velsor, Cape Haitien

ORANGE WATER—9 dms, Magnus, Mabee & Reynard, Port au Prince

ORRISROOT—143 bgs, E Meer & Co, Leghorn

PALM OIL—1,059 tins, Balfour, Guthrie & Co, Takoradi

PAPRIKA—200 bgs, J Raphael & Son, Lisbon—200 bgs, M J Golombeck, Lisbon

PARSLEY SEED—19 bls, Peek & Velsor, Marseilles

PEPPER, BLACK—66 bgs, Volkart Bros, Cochin—480 bgs, W R Grace & Co, Singapore—685 bgs, C T Wilson & Co, Singapore—450 bgs, A G Dunn, Singapore—823 bgs, Imperial Commodities Co, Singapore—750 bgs, J Puig Verdagner, Singapore—225 bgs, Ernest S Klinko, Singapore—428 bgs, Isbrantsen Co, Singapore—66 bgs, Joensson & Cross, Liverpool—84 bgs, Polak Trading Co, London—690 bgs, London—453 bgs, Liverpool—White, 329 bgs, International Credit & Handel, Buenos Aires

PEPPERMINT OIL—1 cs, H S Dorf & Co, London

PETROLEUM, CRUDE — 110,833 bbls, Standard Oil Co, N J, Cartagena—119,075 bbls, Imperial Oil, Ltd, Porto La Cruz—69,862 bbls, Cities Service Oil Co, Las Piedras

PIMENTO—300 bgs, Otto Gerdau Co, Kingston

PIMENTO LEAF OIL—1 dm, W J Bush & Co, Kingston—3 dms, J A Manton Co, Kingston—3 dms, Fritzsche Bros, Kingston—1 dm, Magnus, Mabee & Reynard, Kingston

POPPYSEED—100 bgs, Archibald & Kendall, Rotterdam

POTASH CHLORATE—800 dms, Charles Hardy, Antwerp
POTASH SALT—20 cs, 40 kgs, Geismar, Inc, London
POTTERS COLORS—3 cks, American Express Co, Liverpool
QUASSIA CHIPS—120 bgs, Bank of Nova Scotia, Kingston
QUEBRACHO EXTRACT—9,050 bgs, International Products Corp, Buenos Aires—4,845 bgs, River Plate Import & Export Co, Buenos Aires
QUICKSILVER—300 flasks, Brown Bros-Harriman Co, Genoa—200 flasks, Chemical Bank & Trust Co, Genoa—1,000 flasks, C L Huisking & Co, Leghorn
QUINCE SEED—95 bgs, E Meer & Co, Khorramshahe—30 bgs, Balfour, Guthrie & Co, Khorramshahe
RADIUM—1 cs, Radium Chemical Co, Antwerp
RED LEAD—860 kgs, R Kay, London
ROOT, MEDICINAL—3 bls, Peek & Velsor, Buenos Aires
SAFFLOWERS—1 cs, Ponta Delgada
SANDALWOOD OIL—9 cs, Givaudan-Delawanna, Madras—9 cs, Magnus, Mabee & Reynard, Madras—9 cs, Joan Niel, Madras
SANTONIN—1 cs, London
SARSAPARILLA ROOT—7 bls, J A Manton Co, Kingston—10 bls, Eli Lilly & Co, Kingston—5 bls, Peek & Velsor, Kingston
SHARK LIVER OIL—69 dms, Collett, Week, Nibeck, Inc, Buenos Aires—3 dms, American Home Products Corp, Buenos Aires
SHARK LIVERS—60 dms, Collett, Week, Nibeck, Inc, Buenos Aires
SEEDLAC—100 bgs, Wm Zinsser & Co, Calcutta
SHELLAC—400 bgs, Schwab Bros Corp, Calcutta—100 bgs, New York Trust Co, Calcutta—140 bgs, Wm Zinsser & Co, Calcutta—500 bgs, Colony Import & Export Corp, Calcutta—35 cs, Wm Zinsser & Co, Calcutta—156 cs, S E Lank Dressmaker Cottons, Shanghai
SIENNA EARTH—43 cks, Reichard, Coulston, Inc, Leghorn—122 cks, J Lee Smith & Co, Leghorn
SOAP, SADDLE—100 ctns, 48 cs, J J Gavin & Co, London
SODA CARBONATE, MONOHYDRATE—1,500 bgs, Yardley & Co, Liverpool
SODA CHLORATE—800 cans, International Selling Corp, Havre
SODA HYDROXIDE—150 cs, Bergstrom Trading Co, Gothenburg
SORVA GUM—110 cs, L W Dumont Co, Belem
STORAX—49 cs, Dodge & Olcott Co, Istanbul
TALC—9,429 bgs, Charles Mathieu, Genoa
TAMARINDS—46 cs, Biddle, Sawyer Corp, Kingston
TAPIOCA FLOUR—3,475 bgs, Tapioca Flour Mills, Bahia—1,000 bgs, Stein, Hall & Co, Fortaleza
TAR ACID—1 cs, Philip Bauer & Co, Liverpool—1 cs, West Disinfecting Co, Liverpool
TARA—210 bgs, A Kates & Co, Callao—Pods—1,108 bgs, Guaranty Trust Co, Salaverry
TARTAR—477 bgs, National City Bank, Naples
THYME LEAVES—100 bls, Seeck & Kade, Marseilles
TRAGACANTH GUM—2,278 bgs, E Meer & Co, Khorramshahe—175 bgs, 16 cs, A H Tadgaroff, Khorramshahe—115 cs, 195 bgs, Irving Trust Co, Kharramshahe—136 cs, E Meer & Co, Beyrouth—120 bgs, Wm M Allison & Co, Khorramshahe—143 bgs, D S Bahory Co, Khorramshahe—116 cs, Bassoons, Inc, Khorramshahe—141 bgs, Nawi, Ngonoo & Co, Busreh—17 bgs, Manoncher Co, Khorramshahe—116 cs, Khorramshahe
TUNG OIL—150 dms, Wessel, Duval & Co, Shanghai—393 dms, Universal Trading Co, Shanghai—159 dms, W R Grace & Co, Hongkong—300 tons, W R Grace & Co, Hongkong—106 dms, Hongkong
VALERIAN ROOT—52 bgs, J H Brown Agencies, Karachi
VANILLA BEANS—15 cs, Netherlands Purchasing Commission, Semarang
ZINC OXIDE—1,000 bgs, Philipp Bros, Antwerp

Baltimore

OLIVE OIL—234 dms, Pompeian Olive Oil Corp, Beyrouth
QUEBRACHO EXTRACT—4,850 bgs, American Tanners, Ltd, Buenos Aires
SIENNA EARTH—251 bgs, J Lee Smith & Co, Genoa

Boston

TEXTILE GUM—120 cks, J P Marston Co, Liverpool

Buffalo

CASTOR BEANS—740 bgs, Spencer Kellogg & Sons, Jacmel—8,295 bgs, Spencer Kellogg & Sons, Pernambuco—2,500 bgs, Spencer Kellogg & Sons, Bahia—1,570 bgs, Spencer Kellogg & Sons, Fortalezm—12,426 bgs, Spencer Kellogg & Sons, Recife

Chicago

CASEIN—2,032 bgs, National Casein Sales Co, Buenos Aires
HOOF & HORN MEAL—1,399 bgs, United States Gypsum Co, Buenos Aires

Cincinnati

CASSIA—300 bls, Frank Tea & Spice Co, Hongkong

Indianapolis

ERGOT—64 bgs, Eli Lilly & Co, Lisbon

Los Angeles

STEARIN ACID—679 bgs, Pacific Overseas Corp, Buenos Aires

Norfolk

BLOOD, DRIED—1,990 bgs, Dixie Guano Co, Buenos Aires
QUEBRACHO EXTRACT—5,250 bgs, International Products Corp, Buenos Aires—3,008 bgs, River Plate Import & Export Corp, Buenos Aires

Philadelphia

COCOABUTTER—417 bgs, Woodward & Dickerson, Bahia
COTTON LINTERS—75 bls, American Cotton Products Co, Santos
CRESYLIC ACID—91 dms, Concord Chemical Co, Liverpool
GLYCERIN—59 dms, Sharp & Dohme, Buenos Aires
SHELLAC—200 bgs, Wm Zinsser & Co, Calcutta
SUMAC—910 bgs, Drueding Bros Co, Palermo
TAR ACID—1 cs, T G Cooper & Co, Liverpool
THYROID—3 cs, Hance Bros & White, Buenos Aires
VANILLA BEANS—25 cs, Tradesmen National Bank, Marseilles
WAX, VEGETABLE—2 cs, Liverpool

Pittsburgh

MANGANESE ORE—2,000 tons, Carnegie Illinois Steel Corp, Calcutta

Rochester

CARNAUBA WAX—80 bgs, R T French Co, Bahia
OURICURY WAX—160 bgs, R T French Co, Bahia

San Francisco

ANISE—80 bgs, H M Newhall & Co, Beyrouth
CASSIA—150 bls, D Hecht & Co, Hongkong—200 bls, S L Jones & Co, Hongkong
PIMENTO—100 bgs, Bank of California National Assn, Kingston
TUNG OIL—300 tons, L N Jackson & Co, Shanghai—300 tons, Pacific Vegetable Oil Co, Shanghai—120 tons, S L Jones & Co, Hongkong

St. Louis

CRESYLIC ACID—72 dms, Monsanto Chemical Co, Liverpool
OPIUM—125 cs, Mallinckrodt Chemical Works, Istanbul

Trade Briefs

Watson - Standard Company, Pittsburgh, announces it is now manufacturing high solids 'Vinylite' finishes.

Texas Midcontinent Oil and Gas Association has appointed Charles E. Simons as general manager, succeeding the late George C. Gibbons.

FOR 40 YEARS THE TRADE'S DEPENDABLE SOURCE OF

CHLOROFORM U.S.P.

DOW

THE DOW CHEMICAL COMPANY
MIDLAND, MICHIGAN

ALKALOIDS
GLUCOSIDES — DRUG EXTRACTIVES

ACONITINE
AGARICIN
ARECOLINE
ASPIDOSPERMINE
ATROPINE
BERBERINE
COLCHICINE
DIGITALIN
EPHEDRINE
ESERINE
HOMATROPINE
HYDRASTINE
HYOSCINE
HYOSCYAMINE
LOBELINE
OUABAIN
PICROTOXIN
PILOCARPINE
SANGUINARINE
SPARTEINE
STROPHANTHIN
YOHIMBINE

BERBERINE SALTS
NOW AVAILABLE FOR PROMPT DELIVERY

TELEPHONE OR TELEGRAPH I-N-L-A-N-D

1 The Primary Producer of 1
9 ALKALOIDS, GLUCOSIDES 9
1 and Related Drug Extractives 4
7 Through the Years 6

INLAND ALKALOID COMPANY
MANUFACTURING CHEMISTS
TIPTON INDIANA U. S. A.

PARSONS
PLYMOUTH STEARATES
ALUMINUM — ZINC — CALCIUM — MAGNESIUM
Established Qualities Manufactured for thirty years by
M. W. PARSONS, Imports & PLYMOUTH ORGANIC LABORATORIES, Inc.
59 BEEKMAN STREET, NEW YORK CITY
DISTRIBUTORS: THOMPSON-HAYWARD CHEMICAL CO., KANSAS CITY, MO., AND BRANCHES

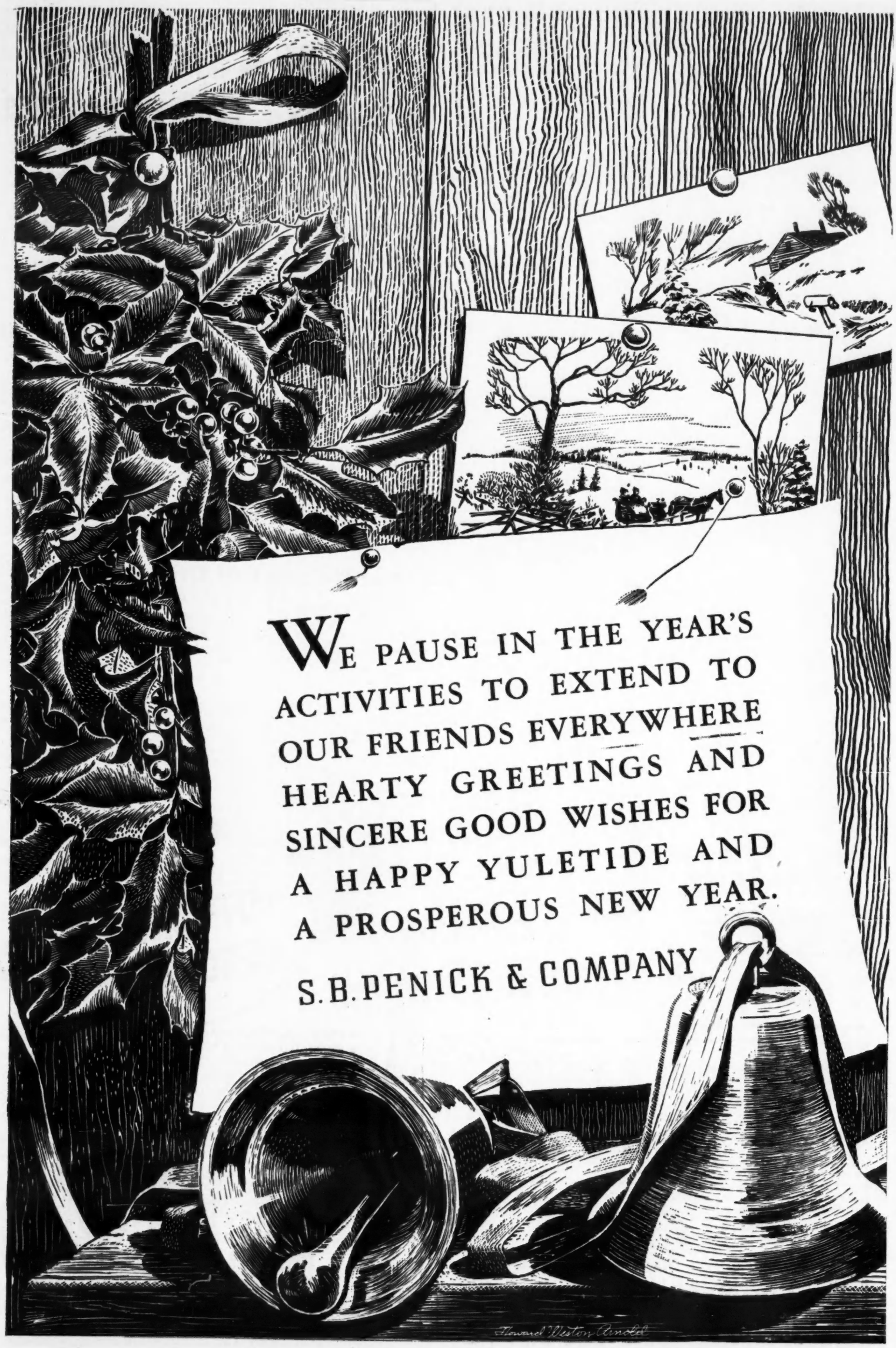
The Cleveland Steel Barrel Co.
CLEVELAND 5, OHIO
STEEL PAILS and STEEL DRUMS
FOUNDED 1912

ask Berk for MERCURY and MERCURIALS

- PRIME VIRGIN MERCURY
- REDISTILLED MERCURY
- CORROSIVE SUBLIMATE
- WILSON'S MIXTURE BLUE
- MERCURY OXIDES (Yellow and Red)
- MERCURIC IODIDE RED
- MERCURIC NITRATE
- PHENYL MERCURY COMPOUNDS
- WHITE PRECIPITATE
- MERCURY CYANIDE
- CALOMEL

F. W. BERK & CO. INC.
WOOD RIDGE, . . . NEW JERSEY
NEW YORK SAN FRANCISCO

OPD—12-23-1946 62



Botanical Drugs, Spices, Gums

Demand was quiet last week in the market for botanical drugs and condimental materials. Not more than pressing and immediately required orders reached the local botanical dealers and spicers with the result that the total of trade was strictly jobbing in volume from the over-all point of view. Practically no price activity appeared in medicinal items but changes in quotations on seeds, spices, and culinary herbs and leaves were about evenly divided as to advances and declines.

The low volume of consumer activity was in line with trade common to the market during the preholiday season. Most buyers for manufacturing consumption or consumer distribution are at that time of the year when boards of directors look with favor on a low inventory statement. For that reason, the whole trend of buying is directed toward deliveries to be made after the turn of the year or for prompt delivery but with January 1 billing.

The outlook for supplies for the balance of this crop year is not very good in medicinal botanics. It is going to be almost impossible to increase stocks materially. Foreign and domestic primary markets do not contain a great deal of merchandise and, in the case of goods that must be imported, the hurdle of quality is one difficult to top now and the difficulty is likely to continue until foreign crops are collected and properly handled to the end that when goods arrive here they will be released by the Food and Drug Administration. Such a turn of events would certainly make a nice Christmas gift to the local botanical importers.

Balsams

Copaiba—No further arrivals of this scarce article were reported during the past week. The market was active within holiday limitations but the absence of more request failed to shake the strong price position.

Fir—Holding very firm but lacking further rise so far as Canadian balsam was concerned. Demand last week was for jobbing quantities.

Peru—The week was quiet so far as trading was concerned but it was a firm period in the matter of spot quotations. Sellers showed reserve in the matter of offerings and values were well maintained.

Tolu—Short supply continued and seemed likely to beset the market at least in the first quarter of the new year. Demand was light last week—which was fairly welcome because of the scarcity of spot stocks.

Barks

Angostura—The market was strong. Stocks were short in comparison with the probable demand over the first quarter in 1947. Little competition existed on the spot.

Buckthorn—Fair holdings of this article are ready for the resumption of more active trading after the turn of the year. Prices showed a degree of firmness and for the most part, sellers exercised considerable reserve in making offerings.

Cascara Sagrada—The market at source was said to show considerable strength. It was learned that systematic replanting of state land by the state of California is being planned to afford a future supply and will be under the direction of a state technical college for agriculture and industry.

Colchiana—Even in a week ordinarily quiet in most years, demand for this article was very good and revealed that stocks have decreased considerably by reason of the seasonal demands that have been satisfied to date. Prices ruled in firm position.

Orange Peel—Haiti continues to ship better than fair sized quantities of this peel to the United States. The latest arrival was 74 bags and came to a very steady spot market.

Beans

Calabar—Only beans in future arrival position were offered in reasonable quantity last week and a strong price position seemed likely to carry over into the new year.

St. Ignatius—So far as could be learned last week, none of this article has arrived from its primary market for distribution locally on the open market. No prices were quoted.

Berries

Hawthorn—The article will end the year in firm regardless of the fact that demand in the closing days of that period turns out to be very small. Undertones were firm. Stocks were conservative in size.

Juniper—Arrival of a substantial quantity from Italian ports served to supply consumers and the market with excellent supplies at very steady prices. The quantity reaching here last week was 1,699 bags.

Flowers

Arnica—Demand simmered and felt the normal restrictions applied by buyers toward the end of the year. However, there was little material to be had for a spot delivery though some goods were being offered for a future arrival. Restoration of stocks must await another crop.

Calendula—Although the call was small, the price was steady and said to be in line with the prevailing replacement position of the article in foreign markets. If there be any more flowers held in California from the cultivation last Summer, they are held around $2 per pound, which compares with imported goods around $1.15.

Chamomile—Rather more than the expected request came in for this article last week but the total of trans-

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Drugs

Senega root, 15c. per lb.

Other Articles

Celery seed, India, 1c. per lb.
Dillseed, dewhiskered, ½c. per lb.
Laurel, Turkish, ½c. per lb.
Marjoram, Chilean, spot, 5½c. per lb.
futures, 3½c. per lb.
Mustard seed, Montana, brown, 3c. per lb.
yellow, futures, 1½c. per lb.
Paprika, Portuguese, choice, ½c. per lb.
extra fancy, 2c. per lb.
Spanish, choice, ½c. per lb.
Pepper, chillies, Carolinas, 1c. per lb.
Sage, Spanish, 2c. per lb.

Prices Reduced

Drugs

None

Other Articles

Allspice, Mexican, 3½c. per lb.
Anise, Cyprus, futures, 6c. per lb.
Cassia, China rolls, select, 1½c. per lb.
broken, select, 1c. per lb.
Saigon, all medium, 3c. per lb.
4-10-4, 3½c. per lb.
Cumin seed, Syrian, futures, 3c. per lb.
Persian, 1c. per lb.
Fennel seed, Argentine, spot, ¼c. per lb.
futures, 1c. per lb.
Pepper, black, 1c. per lb.
Poppy seed, Danish, 1c. per lb.
Dutch, ¾c. per lb.
Sage, Dalmatian, futures, 5c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
295.0	293.9	294.6	255.4

(For Current Prices see Page 9)

Imports Detained by FDA

Week Ended December 13, 1946

New York

Anica flowers, 75 bags: insect infested.
Carragaheen moss, 117 bales: filthy.
Cassia, 3,795 bales: insect infested.
Chillies, 265 bags: live insects; filth.
Cumin seed, 256 bags: live and dead insects.
Henbane, 124 bales: not official variety.
Laurel leaves, 100 bales: live insects.
Mace, 74 cases: filthy.
Nutmegs, 700 bags: moldy and wormy.
Ocotea cymbarum oil, 39 drums: drums unlabeled.
Olive oil, 25 drums: decomposed; mineral oil substituted for olive oil.
Pepper, black, 3,121 bags: excess siftings and pickings; dead insects.
Rennet, 5 casks: filthy.
Rhubarb root, 36 cases: insect bored and contains dead insects.
Turmeric, 530 bags: insect bored and contains live insects.

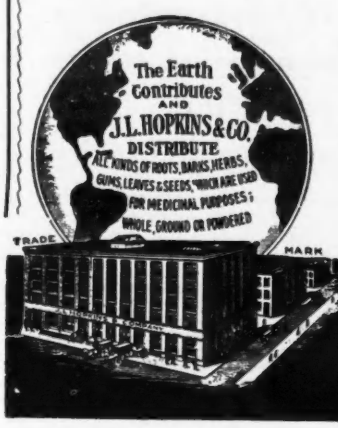
Baltimore

Origanum, 20 bags: filthy; name of product not on bags.

To You And Yours - From All Of Us!

A MERRY CHRISTMAS and A HAPPY, HAPPY 1947

WE pause once again to count our blessings, chief among them the friendship of so many with whom we have had long and pleasant relations. To all, we extend again the best of the Season's greetings, and the hope that 1947 will be full of the riches of achievement.


The Earth Contributes
AND
J.L. HOPKINS & CO.
DISTRIBUTE
ALL KINDS OF ROOTS, BARKS, HERBS, GUMS, LEAVES & SEEDS, WHICH ARE USED FOR MEDICINAL PURPOSES; WHOLE, GROUND OR POWDERED
TRADE
MARK

A little smile, a word of cheer,
A bit of love
From someone near . . .
A little gift from one held dear . . .
Best wishes for the coming year—
And a happy, happy Christmas.

J. L. HOPKINS & CO.
PROFESSIONALLY MILLED
ANALYZED—STANDARDIZED CRUDE DRUGS
220 BROADWAY • NEW YORK

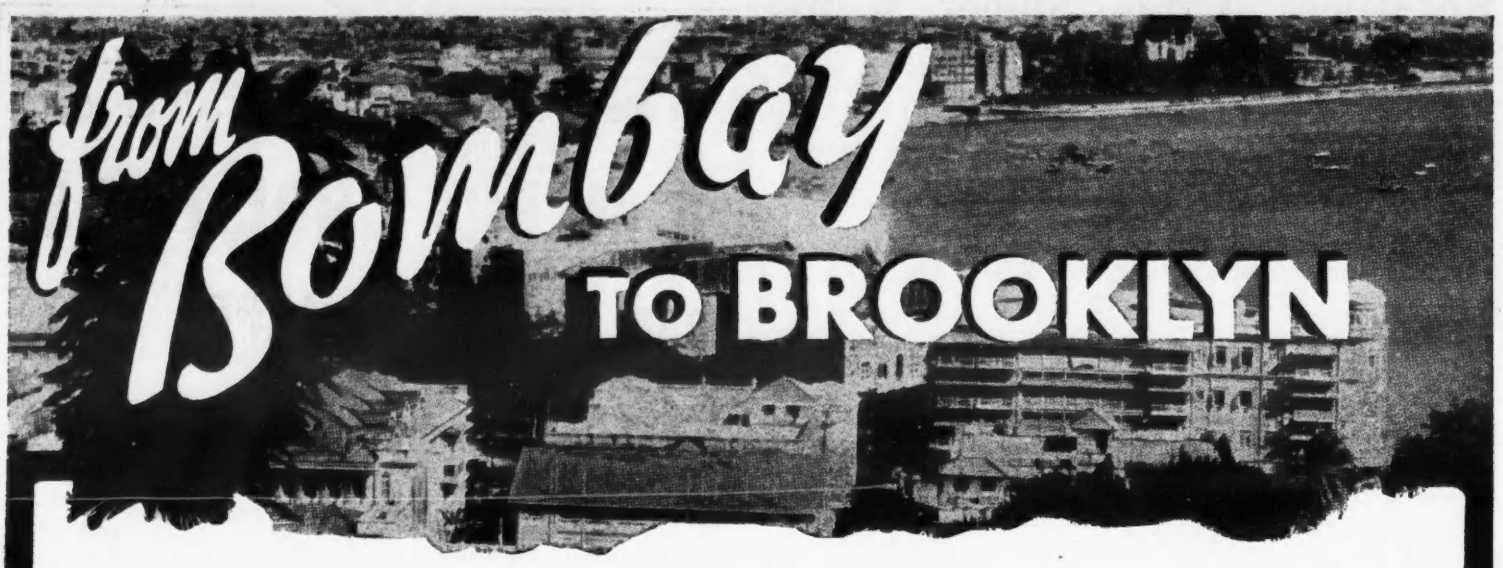
We Offer the Following From Stock

ALOES, Curacao and Cape
ALTHEA ROOT
ANISE SEED
BALSAM COPAIBA
BALSAM PERU
BALSAM TOLU
BELLADONNA Leaves and Root
BOLDO LEAVES
BORAGE FLOWERS
BUCHU LEAVES
CARAWAY SEED
CELERY SEED
CHAMOMILE FLOWERS
CHAULMOOGRA OIL
CLOVES, Zanzibar
COCILLANA BARK
COLOCYNTH PULP
COLOMBO ROOT
CORIANDER OIL AND SEED
DANDELION ROOT
DILL SEED, Indian
ERGOT OF RYE
FENNEL SEED, Indian
FOENUGREEK SEED
GENTIAN ROOT
GINGER, Jamaica, Calicut
GRAINS OF PARADISE
GUM ARABIC AMBER SORTS
GUM KARAYA, Whole and Powder
HELLEBORE ROOT WHITE
HERBA HERNIARIÆ
HERBE MENTHE
HOREHOUND HERB
IRISH MOSS
JUNIPER BERRIES
KAMALA POWDER
LAUREL LEAVES
LAVENDER FLOWERS
LINDEN FLOWERS, with Leaves
MAHUANG, Chinese
MARJORAM LEAVES
OAK MOSS
ORANGE OIL, Sweet
ORRIS ROOT
PEPPERMINT OIL
PIMENTO, Jamaica
POPPY SEED, Indian
PSYLLIUM SEED AND HUSKS
QUINCE SEED
RHUBARB ROOT
ROSEMARY LEAVES
ROSEMARY OIL
SAGE LEAVES
SARSAPARILLA ROOT
SAVORY
SENNA LEAVES AND PODS
STRAMONIUM LEAVES
STROPHANTHUS SEED
THYME LEAVES AND OIL
UVA URSA LEAVES
VALERIAN ROOT

AMINOPHYLLINE
BARBITAL
GUM CAMPHOR, Japanese and Domestic
ICHTHAMMOL, N.F.
VITAMIN PRODUCTS

• Other Imports Arriving Daily. • We Offer a Complete Line of Pharmaceutical Pills, Tablets, Liquids and Ointments.
• All Orders and Inquiries Given Immediate Attention.

KACHURIN DRUG COMPANY
Manufacturers • Importers • Exporters • Distributors
DRUGS - CHEMICALS - OILS - BOTANICALS
525 WEST 43rd STREET, NEW YORK, N. Y.
Telephone: BRyant 9-7400-1-2-3-4-7456
Cable Address: Kachurin, New York
Codes: A. B. C. 5th & 6th Edition and Bentley's



From Bombay, Singapore, Shanghai . . . From Bengasi, Alexandria, Trieste . . . every day freighters bearing Prentiss Botanicals are heading home to Brooklyn, and the modern, capacious Prentiss Brooklyn Plant.

"The World in Botanicals" aptly describes the far-flung drug procuring operations of the Prentiss world-wide staff of Botanical experts. So don't worry about your supplies of hard-to-get items . . . rely on Prentiss. Take advantage of our large spot stocks for your current and future production needs. Call WOrth 2-6260 or if you are in the Chicago area the number is FRAnklin 1094.

R • J • PRENTISS & CO., INC.

110 WILLIAM ST., NEW YORK 7, N. Y. • 9 SO. CLINTON ST., CHICAGO 6, ILL.

***PLANTS:* BROOKLYN, N. Y. . NEWARK, N. J.**

actions was still limited and insufficient to be much of a market influence at this time. Quotations were deemed to be very firm and were being maintained in relation to replacements obtained in primary markets.

Linden—The market seemed about to be replenished in modest degree, a lot totalling 118 bales having reached here from Leghorn, Italy, during the past week. It will sell on a very firm market.

Safflower—During the past week, one case of safflower arrived from a very unusual source—Ponta Delgado in the Azore islands.

Gums

Aloe—The article was very steady. The major demands were being withheld until the turn of the year releases buyers from the restictions of inventory. The indicated demand for early 1947 was said to involve some quite substantial quantities of gum.

Arabic—Almost nothing arrived last week—merely 69 bags that reached here from Port Sudan. The spot market was quiet to the point of dullness but prices held steady to firm and they were strictly in line with replacement costs recently paid at the source.

Asafetida—Not much movement was noted last week. A few jobbing orders for powder were filled but there was practically no trading in lumps. Prices continued to be very steady.

Benzoin—More gum arrived from the Far East last week, consisting of 84 cases which adds to the already fair sized spot stock of Sumatra gum. Prices paid at the source act as a brake on further decline in spot quotations but a lessening of purchases at the primary market may develop an easing of all prices after the turn of the year.

Gamboge—Supplies are being renewed often enough eventually to bring some easing of spot quotations. However, they held steady last week since there was no general distribution of supplies and, hence, little competition was possible.

Tragacanth—The advent of the holiday season was accompanied by the arrival of a substantial quantity of gum from the Near East. The quantity was 3,668 bags and consisted of a fair presentation of most grades. Trade was expected to rise early in the new year.

Herbs and Leaves

Belladonna—It is to be hard going for consumers who have not covered their requirements for some months ahead. It is proving highly difficult—if not actually impossible—to get USP and higher leaves in foreign markets. Relief from shortage can scarcely come earlier than the marketing of the 1947 crop.

Buchu—This article showed steady undertones and general firmness in prices throughout the past week despite the absence of much more than jobbing request. However, some fair sized requirements are likely to seek satisfaction after January 1.

Henna—Holiday trade is absorbing important quantities of products requiring henna in their preparation and most dealers expect a renewal of excellent demand, come the new year that will revive the old desire for larger quantities of this item. The arrival of 19 bales from Alexandria, Egypt, was noted last week.

Laurel—Turkish leaves became spot stock last week and prices advanced a fraction to the basis of 15½c. to 16c. per pound.

Marjoram—Chilean herb on spot was higher at 15c. to 16½c. per pound and futures rose to the basis of 12c. to 12½c. No Argentine material was reported available.

Sage—Quotations on Dalmatian leaves broke sharply last week, reaching as low as 37c. to 38c. per pound for goods to arrive in the future. Spot quotations lacked change. Spanish leaves advanced to 15c. to 15½c. per pound.

Miscellaneous

Cantharides—Chinese flies continued to reach this market and Russian flies continued prominent because no more does arrive. Last week, 130 cases of Chinese material reached here from Hong Kong.

Irish Moss—Quantities of this item arriving from foreign parts continued to be detained by the Food and Drug Administration: 117 bales were denied

PEEK AND VELSOR INCORPORATED
110 WILLIAM ST.
NEW YORK 7

Established 1840
CRUDE DRUGS

Out of the Past

—Why Not

Serve It Hot?

34.

It is from a book of ancient formulas but its medicinal properties escape entirely. But something about the King's Cordial smacks of the year-end holidays, the Yule log ablaze in the great fireplace, and the boon of merry, jovial, and convivial companions.

Black Cherries	3 pounds
Caraway oil	1½ drams
Cinnamon oil	1½ drams
Brandy	2 quarts
Madeira wine	2 quarts
Syrup	1 gallon
Nutmeg	to taste

Dissolve oils in one-half pint proof spirit. Stone and mash cherries. Combine oils and cherries and mix with the brandy, wine, and syrup. Add nutmeg to taste. Color with red sanders wood.

WAREHOUSE AND MILLS

JERSEY CITY **NEW JERSEY**

CRUDE BOTANICAL DRUGS
TRADE *From Forty Nations* MARK

entry last week when an arrival of 270 bales from France was reported.

Kola Nuts—An arrival of 55 bags from Kingston, Jamaica, was reported last week.

Manna—The market held steady here because of prices being well maintained in the Italian market. During the past week, 11 cases reached here from Palermo, Italy.

Papain—The article remained in relatively tight supply and prices were held to a strong position by the presence of persistent demand for spot deliveries.

Tamarinds—For the first week in a long time an importation of this article was reported, consisting of 4 barrels that came from the West Indies.

Roots

Gentian — France is shipping fair quantities of this root to this market. An arrival of 33 bales from Marseilles was reported last week. The market itself was very quiet but prices seemed steady.

Hellebore—It means nothing commercially but for the record it may be said that the Christmas rose, which is black hellebore, is now in full bloom and they are due to stay fresh through snows and ice until the arrival of Spring causes them to wither.

Orris—Further arrivals from Italy were noted, being a matter of 143 bags that reached here last week from Leghorn. The market was very quiet locally but it was also reasonably steady.

Senega — Sales were said to have been made around $2.65 to $2.75 per pound and spot offerings of the article were sufficiently small to give a strong undertone to a market not notably active last week.

Squill — Demand for white squil continued unabated and absorption of stocks was counted a strengthening element to the spot price structure.

Valerian — Trading was slow. An arrival of 52 bags from India was reported. Sellers reported prices to be generally steady on spot. Not a great deal of Belgian root was available.

Seeds

Anise—Trading was generally slow and prices seemed to be rather reactionary. Cyprus seed for a February arrival was offered lower at 40c. to 41c. per pound. Chinese star anise was fractionally higher at 22c. to 22½c. per pound. An arrival of 580 bags from Beyrouth, Lebanon, provided additional supplies.

Celery — An actual arrival from Marseilles, France, returned the French seed to the local market lists. The quantity was 25 cases. Recent quotations were around 50c. per pound. Indian seed was advanced on spot to the basis of 25c. to 25½c. per pound.

Coriander—Morocco seed was repriced locally after a period in which quotations had been lacking. The price set was 10c. to 10½c. per pound. During the past week, 672 bags arrived from Callao, Peru, and 555 bags came in from Buenos Aires, Argentina.

Cumin—Imports last week totaled 2,077 bags. Prices for Syrian seed in future position were reduced to 40c. to 41c. per pound and Persian goods were lower at 43c. to 44c.

Fennel — Prices were shaded to 14¾c. to 15¼c. per pound for Argentine seed, and 14c. o 14½c. for future deliveries.

Mustard—Montana brown seed at the source advanced sharply to 14c. to 14½c. per pound. Yellow seed at the source was up to 20c. to 21½c.

Poppy—Prices on Danish declined to 21½c. to 22c. per pound, and those quoted on Dutch seed were down to 23¼c. to 23¾c.

Spices

Allspice—Mexican spice in future arrival position was sharply down to 19½c. to 20c. per pound.

Cassia—The total of arrivals from Shanghai and Hong Kong last week was 1,479 bales. Chinese selected rolls were down to 14c. to 14½c. per pound; extra select broken, 12½c. to 13c.; Saigon, 4-10-4, sharply down to 38c. to 39c. and the all medium was off to 39c. to 40c.

Ginger—About the only feature was the arrival of 3,285 bales of this article from Freetown, Sierra Leone, west Africa.

Paprika—Choice Portuguese was up to 47c. to 48c. per pound; extra fancy, 46c. to 47c.; Spanish choice, 49½c. to 50c.; fancy, 48½c. to 49c.

Pepper—Black pepper on spot was slightly lower at 64c. to 65c. Caroline chillies were higher at 55c. to 56c. Louisiana longs at the source were again quoted, this time at 42c. to 43c.

MUSTARD FLOUR
ALL GRADES
USP
USP BROWN
Special for Mayonnaise
Old Dutch Mustard Co., Inc.
Manufacturers
METROPOLITAN AVE., BROOKLYN 11, N. Y.
Phone EVergreen 7-9156

Locust Bean Gum
Carob Flour
SPOT DELIVERY
MAX KETTNER COMPANY
621 FIFTH AVE. NEW YORK 17, N. Y.
Phone: MURRAY HILL 2-6428

SCAMMONY ROOT
Spot Delivery
Nathan Sackler & Son
510 Foster Avenue, Brooklyn 30, New York

GUMS TRAGACANTH ★ ARABIC
WHOLE AND POWDERED
KARAYA (Indian Gum) ★ LOCUST BEAN
FRANK-VLIET CO., INC.
160 Water St., New York 7, N. Y.

Gums
ARABIC TRAGACANTH KARAYA LOCUST
ORBIS PRODUCTS CORPORATION
215 PEARL STREET, NEW YORK

FOUNDED T&B 1856
VANILLA BEANS
For over 90 years the recognized source of supply
THURSTON & BRAIDICH
286 Spring Street, New York 13, N. Y.

DALMATIAN SAGE TARRAGON SUMMER SAVORY
FRENCH THYME SWEET BASIL FRENCH MARJORAM
SPOT AND FUTURES
Grown in California by TARZANA HERB FARMS
TARZANA, CALIFORNIA

GUMS
NATURAL
POWDERED——CRYSTALS
KARAYA ARABIC TRAGACANTH LOCUST BEAN
MYRRH SANDARAC OLIBANUM SHIRAZ
WM. M. ALLISON & CO.
162 Water St., N.Y. 7, N.Y. Telephone: WHi. 3-7422

VANILLA BEANS
ZINK & TRIEST CO.
15 LOMBARD ST. PHILADELPHIA 47, PA.

M. Cortizas & Co.
IMPORTERS OF VANILLA BEANS ALL VARIETIES
731-733 ARCH STREET
PHILADELPHIA 6, PA.
CABLE ADDRESS ——— VANCORT
CODES BENTLEY'S SECOND PHRASE AND PRIVATE

GUMS (CRUDE, POWDERED) Chemicals and Oils

GUMS:
GUM ARABIC
GUM ARABIC BLEACHED
GUM GHATTI
GUM KARAYA (Indian)
GUM TRAGACANTH
GUM EGYPTIAN
GUM LOCUST (Carob Flour)
QUINCE SEED
★
CASEIN
SPECIALTIES:
MENTHOL (Crystals)
★
TARTARIC ACID
★
CREAM OF TARTAR
EGG ALBUMEN
EGG YOLK
BLOOD ALBUMEN
JAPAN WAX (Special)
CANDELILLA WAX
PAUL A. DUNKEL & CO., Inc.
IMPORTERS AND EXPORTERS
1 WALL ST, NEW YORK 5, N. Y. Hanover 2-3750
CHICAGO: 919 N. MICHIGAN AVE., TEL. SUP. 2462
REPRESENTATIVES:
CHICAGO: CLARENCE MORGAN, INC.
BOSTON: P. A. HOUGHTON, INC.
PHILADELPHIA: R. PELTZ & CO.
ST. LOUIS: H. A. BAUMSTARK & CO.

A Superlative Replacement for the Natural Oil . . .

Imitation
CASSIA OIL MM&R

This superior product should not be confused with Cinnamic Aldehyde. CASSIA OIL MM&R contains constituents of natural Cassia Oil and approximates the genuine product to a much greater degree. Recommended usage: pound for pound, as with Oil Cassia.

Write for free testing sample today.
Try Imitation CASSIA OIL MM&R.

Magnus Means Reliability

MAGNUS, MABEE & REYNARD, INC.
SINCE 1898 ... ONE OF THE WORLD'S GREATEST SUPPLIERS OF ESSENTIAL OILS
15 DESBROSSES STREET, NEW YORK 13, N.Y. • 221 NORTH LA SALLE STREET, CHICAGO 1, ILL.
LOS ANGELES: BRAUN CORP. • SEATTLE, PORTLAND, SPOKANE: VAN WATERS & ROGERS, INC.
SAN FRANCISCO: BRAUN-KNECHT-HEIMANN CO. • CANADA: RICHARDSON AGENCIES, LTD., TORONTO

MYSORE GOVERNMENT
SANDALWOOD OIL

Distilled at Linden, N. J. from selected Mysore Heartwood
by Sole Distillers and Selling Agents

W. J. BUSH & CO.
INCORPORATED
11 East 38th Street, New York 16, N. Y.
ESSENTIAL OILS | NATURAL FLORAL PRODUCTS | AROMATIC CHEMICALS

CHICAGO DALLAS DENVER NEW ORLEANS SAN FRANCISCO SEATTLE

SUPREME AROMATICS
ESSENTIAL - FLAVORING - PERFUME
O I L S

LOS ANGELES MONTREAL TORONTO VANCOUVER WINNIPEG MEXICO CITY

FLORASYNTH LABORATORIES INC.

D. W. HUTCHINSON & CO., Inc.
IMPORT ESSENTIAL OILS EXPORT
162-164 Front Street Established 1896 New York 7, N. Y.

SASSAFROL

Wherever Artificial Sassafras is used in technical applications, SASSAFROL provides an excellent, low-cost substitute. *Send for sample and prices.*

FRITZSCHE BROTHERS, Inc.
PORT AUTHORITY COMMERCE BLDG., 76 NINTH AVENUE, NEW YORK 11, N.Y.
BRANCH STOCKS
BOSTON CHICAGO LOS ANGELES ST. LOUIS TORONTO, CANADA MEXICO, D.F.
FACTORIES AT CLIFTON, N. J. AND SEILLANS (VAR) FRANCE

Essential Oils, Other Aromatics

Market Trends

Prices Advanced

Lavender oil, Spanish spike, pure, 20c. per lb.
Spanish spike, tech., 80c. per lb.

Prices Reduced

Patchouli oil, imported, $2 per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
227.0	227.0	226.3	222.2

(For Current Prices see Page 0)

Trading in the essential oils market showed little variation last week from the level of moderate activity it had shown during the previous week. Prices were advanced for both grades of Spanish spike lavender oil, as the dealer who had lowered the price for pure during the previous week increased his quotation for that type to nearly the same level it had held before his first price revision. Quotations for patchouli oil were reduced all along the line in reflection of the vastly improved supply situation. All other prices were unchanged, with the majority holding steady.

Imports during the period under review were slightly below those of the previous week in volume, and there was not as great a variety of oils reported to have entered American ports. Still, there was no diminishing in the optimistic attitude which had swept through the trade during recent weeks as the import situation took a decided turn for the better after such a prolonged period of restricted shipments, and it was generally believed that the new year would find a gradual trend to normal trading in many of the oils.

The aromatic chemicals market continued to move at a fast pace as all available materials were snapped up by eager buyers. The production of many of the derivatives from essential oils continued to be curtailed by raw material shortages, but there was the hope thoroughout the trade that there would be a continuance of improvement in the supply position of most of the oils during the next few months and that production schedules could be stepped up as a result. Lack of containers was generally a headache to many producers, but there was evidence of improvement in that direction, and the optimistic attitude which had developed earlier persisted last week.

The Department of Commerce quoted the Soviet press as saying that the cultivation of essential oil plants in the Ukraine had been resumed with more than 17,000 hectares under such crops in 1946. Coriander was once more planted in the Nikolayev oblest, the Kamenets-Podolski oblest had 4,500 hectares under coriander and 1,700 hectares under cumin, and in the Chernigov oblest, 300 hectares were devoted to fennel. Mint was grown in the Northern Ukraine. Crimean rose and lavender were planted for the first time on fifteen hectares in the Ismail oblest, and systematic collection of wild growing savory and calamus had been organized. All the essential oil factories in the Ukraine have been restored, according to the report.

Essential Oils

Anise—Optimism ran high in the market last week as the supply position of anise oil was regarded. The heartening flow of Chinese oil, which had begun several weeks earlier, showed no tendency to diminish during the period under review, and indications were that it would be maintained in the future. It was reported that 137 drums arrived in the American market last week from Hong Kong. Prices were generally steady, and buyer interest was at a moderately high level as the trading in this oil was gradually returning to normal.

Bergamot—Trading continued at a fairly high level in most quarters last week as stocks were undergoing steady improvement, and all indications pointed towards the development of a regular supply. During the period under review, forty cases and ten half-cases entered American ports from Italy. This was less than half the volume of the last reported shipment, but was large enough to allay any alarm concerning the future. Prices were steady at the previous levels.

Cassia—There was little variation in the market picture for this oil last week as imports continued at a fairly regular rate. The volume of recent shipments was fairly standard, and it was reported that five drums from Hong Kong had entered the American market during the period under review. Several weeks earlier there had been a large quantity of oil shipped into American ports, but the tapering off process of recent weeks indicated that there would be no flood of oil forthcoming in the near future. Buyer interest was well maintained, and prices held steady at the levels effected by the earlier decrease.

Lavender—Prices for Spanish spike oil, both pure and technical, underwent additional variation last week, as one dealer, who had quoted the technical spike at $1.25 per pound during the previous week, reversed his field and offered it at $2.05 per pound. The $2.05 per pound price was 5c. per pound below the price quoted two weeks earlier before this dealer had reported his surprising 85c. per pound reduction. The oil was offered last week in a range from $2.05 to $2.50 per pound. Pure spike oil quotations advanced 20c. per pound last week, establishing a range from $2.25 to $3.10 per pound. Interest was generally good, and trading was fairly active.

Lemon—The import position of lemon oil continued to undergo steady improvement last week as it was reported that 150 quarter cases arrived in the United States from Italy. Buyer interest was moderately high in both imported and domestic oil, and there was no variation in prices for either type. All prices were held steady at the levels which were effected several weeks earlier, and it was expected that further clarification of the situation in the primary Italian market might sponsor eventual easing of prices for oil from that source.

Lemongrass—The development of a steady flow of oil from both the West Indian and Far Eastern sources promoted a more optimistic attitude throughout the market last week, but demand remained far beyond supply, and it was expected that many months would pass before normal trading would be restored. Prices held firm during the period under review as buyer interest was unabated. No changes were reported in quotations. Imports during the week included sixteen drums from Haiti and fifteen drums from India.

Lime — Prices for this oil held steady last week as buyer interest was well maintained and movement of spot stocks was said to be at a fairly high level. The arrival of shipments from the West Indies was continued at a regular pace, although the volume was slightly below that of earlier weeks. During the period under review, it was reported that three drums and one case of lime oil had arrived in the American market from Haiti. Quotations, which had been lowered several weeks earlier in reflection of the excellent crop of West Indian oil, underwent no further change last week.

Ocotea Cymbarum — It had been hoped, recently, when a large shipment of this oil had been received in the American market, that the difficult supply situation, which had been curtailing activity for so many months, was on the way to relief. But imports during the period under review totaled only seven drums and it appeared that further correction of the situation at the source would be necessary before the American market could expect an assured supply. Prices were decidedly firm, and buyer interest was maintained at a high level, last week.

Orange—The constant demand for both domestic and imported orange oils continued last week, as the supply situation was undergoing gradual improvement. Prices were reported to

For Late Market Developments, See Page 4

be easing slightly for domestic oil, although the level of market activity held them steady in most cases. It was reported that imports entering the American market during the period under review totaled five cases from Jamaica.

Patchouli—The price range for this oil was narrowed last week as price movements at both ends of the range were effected. The oil was quoted $2 per pound lower on the inside and $6 per pound lower on the outside, as the supply position of the oil underwent definite improvement and it was generally felt that the future promised further availability of stocks. The oil was quoted in a range from $58 to $108 per pound during the period under review. Buyer interest was fairly good, but it was said that some buyers were remaining in a cautious position awaiting further reductions before making inquiry. The majority of trading was confined to the lower-priced stocks, which were reported to be moving very well on spot.

Rose—The Department of Commerce quoted Russian sources as saying that the essential oil plants of the Kuban district, in the Northern Caucasus section of the USSR, completed the processing of 1946 crop of the Kazanlik rose petals by the end of September. The collective farms of two of the Kuban counties picked 150 tons of rose petals from their rose fields. It was further reported that the Labinskaya and the Otradnenski counties were recently preparing thirty additional hectares of land to be added to the existing rose plantations. By the end of the current 5-Year Plan, Kuban will have 350 hectares under cultivation of the Kazanlik rose.

Sandalwood — Although imports from India had been in fairly good volume and regularity during recent weeks, stocks in the American market continued to be discouragingly small. Trading was essentially confined to the few small spot stocks which were occasionally available, and were reported to be snapped up by buyers immediately. Prices were firm throughout the market, and many dealers were forced to remain in the withdrawn position which they had assumed earlier. It was reported that twenty-seven cases had arrived in the United States from India during the period under review.

Aromatic Chemicals

The situation in the aromatic chemicals market continued to revolve about the unrelieved raw material shortage last week, and it was generally felt that patient waiting was the only course that either producers or consumers could pursue. The gradually improving import position of essential oils helped to combat the supply problem slightly, but there was little opportunity for full-scale production of derivatives in view of the small volume shipments which were typical of the oils employed in manufacturing processes by aromatic chemical manufacturers. Containers of all types were still tight, although there had been slight improvement in availability of steel drums during recent weeks, and producers continued to find it necessary to offer material in quantities which could be delivered in the containers on hand.

Buyer interest was at a high level, and inquiry for spot stocks of most materials was especially active, although the consumers understood the problem facing producers and displayed patience in most cases. Prices were reported to be steady to firm in most cases, although there was a firming tendency in some chemicals in view of increased raw material, labor, and production costs. In general, the market was in a better condition than it had been a month earlier, and the attitude of both producers and consumers was that improvement was certain within the not too distant future.

Cetyl Alcohol—This item, reported to be practically unobtainable last week due to raw material shortages, was advanced in price by one producer. The quotations announced by this dealer were: twenty-five-pound lots, $2.50 per pound; five-pound lots, $2.60 per pound; and one-pound lots, $2.85 per pound.

Today's Specials

RESIN LABDANUM — RESIN STYRAX
RESIN OLIBANUM — RESIN BALSAM PERU
RESIN OPOPONAX — RESIN BALSAM TOLU

GEORGE LUEDERS & CO.
427-429 WASHINGTON STREET NEW YORK 13, N.Y.
Chicago • San Francisco • Montreal • Factory: Brooklyn
St. Louis • Philadelphia • Los Angeles • Toronto
Vancouver, B.C.

PERFUMERS' SPECIALTIES
BUSH AROMATICS INC.
136 LIBERTY STREET NEW YORK 6, N. Y.

TEXAS CEDAR OIL
Crude Cedarwood Oil • White Cedarwood Oil
Crude Cedrol • Crystalline Cedrol
Cedarwood Tar
Write for Samples
SOUTHWEST CEDAR OIL CO.
P. O. Box 1939 San Antonio, Texas

Perfume Specialties
Aromatic Chemicals
Firmenich + Co.
135 FIFTH AVENUE, NEW YORK, N. Y.
CHICAGO OFFICE • 612 NORTH MICHIGAN AVENUE
IN CANADA • CARAMEED, LTD.; 570 Oriole Parkway, Toronto

Since 1768
THE HOUSE OF
ANTOINE CHIRIS
HAS BEEN THE WORLD'S LEADER IN
Essential Oils and Aromatic Products of High Quality
•
PLEASE CONSULT US FOR SAMPLES AND QUOTES
•
ANTOINE CHIRIS CO., INC.
115 EAST 23rd STREET
NEW YORK 10, N. Y.
CHICAGO, ILL.
J. H. DE LAMAR & SON
154 EAST ERIE STREET
HOLLYWOOD 28, CALIFORNIA
1523 N. HUDSON AVENUE

EXPERIENCE TAUGHT AMERICA
When Mark Twain was working on a Riverboat, plying the Mississippi D & O was leader in its field
Producing...Planning...Building...Doing—America learned thru trial and error, thru the demands of inexorable reality. With her heart and her head, with her arms and her tools she worked, worked, worked, inspired with a dream of better things and a better world to come. And for close to 150 years D & O was a living, integral part of this great American Adventure, acquiring special skills and talents, introducing new, improved techniques and methods. And today, D & O continues to maintain leadership in its field as in the days of America's infancy...continues to serve industry's exacting needs... continues to produce, plan and build for a greater, better America.
DODGE & OLCOTT, Inc.
180 VARICK STREET, NEW YORK, N. Y.
Boston • Chicago • Philadelphia • St. Louis • Los Angeles • Plant and Laboratories, Bayonne, N. J.
RAW MATERIALS • ESSENTIAL OILS • AROMATIC CHEMICALS • PERFUME

ESSENTIAL OILS
PENICK
AROMATIC CHEMICALS
PERFUME SPECIALTIES

ESSENTIAL OILS
AROMATIC CHEMICALS
OLEORESINS, BALSAMS, GUMS
of finest quality

S. B. PENICK & COMPANY
50 CHURCH STREET, NEW YORK 7, N. Y.
735 W. DIVISION ST., CHICAGO 10, ILL.

SPECIALTY OILS
AVOCADO OIL ALMOND OIL OLIVE OIL KERNEL OIL
THE HOUSE OF WALLACE
1300 W. 8th STREET
LOS ANGELES 14, CALIF.
Direct Wire Western Union
Cable: Wallace—Los Angeles

NATURAL
ABYSSINIAN CIVET
Highest Quality in Original Horns
Samples and quotations on request
J. C. ANDRESEN
8 East 36th St. *Established 1857* New York 16, N. Y.
MUrray Hill 3-2393

ROSALENE EXTRA
NEW ROSE FRAGRANCE FOR SOAP
This new product gives a very interesting Rose odor value at an unusually low price. When used in your soap formulas, Rosalene Extra replaces Geranium, Geraniol and Citronellol, all of which are now scarce and extremely high priced. Rosalene Extra has exceptional lasting qualities and can be used in various type soap odors of the inexpensive variety. Write us for samples and prices.
AROMATIC PRODUCTS, INC.
15 East 30th Street, New York 16, N. Y.

Oil Bids Deposits Return Speeded

OPD Washington Bureau

Thousands of dollars in deposits made to the Government in connection with bids for the privilege of developing the oil and gas resources on public lands under Federal lease may be returned to unsuccessful bidders the same day on which the bids are opened under new plans of procedure just completed by the Bureau of Land Management.

Need for the new procedure was emphasized by representatives of the industry during the Western tour of Secretary of the Interior J. A. Krug last summer and the public hearings at Denver in September on proposed revision of Federal oil and gas regulations under amendments to the Mineral Leasing Law passed in the last Congress.

Under the Federal Mineral Leasing Law a deposit of 20 percent of the amount of the bid is required to be made at the time a sealed proposal is submitted to the Bureau for the privilege of leasing public land for mineral resource development. The sealed bids are opened by the Director of the Bureau of Land Management at a specified time indicated by public notice and advertisement. With the acceptance of the highest bid the remittances are returned to the unsucessful bidders, but in the past administrative operations resulted in some delay in returning the deposits. It is estimated in some instances several thousand dollars of unsuccessful bidders' capital had been held by the government for varying periods of time. This practice, it was pointed out by the industry's representatives, caused financial hardship to some of the bidders.

To alleviate this situation arrangements have been completed whereby the payments from unsuccessful bidders may be returned to them at the end of the same day on which the bids are opened. In addition, notice will be given the successful high bidder on the same day as the sale of his right to a lease, subject to his qualifying under the law and regulations and to his compliance with any requirements which may be made in connection with the issuance of a lease. This procedure also was requested by the industry as an aid in the development of the mineral resources on the public domain.

Frey Leaves Interior Dept. Oil Division

OPD Washington Bureau

Dr. John W. Frey, a special assistant in the oil and gas division of the Department of the Interior, has resigned, effective January 31, after nineteen years of government service. Dr. Frey will become director of the division of marketing of the American Petroleum Institute.

After engaging in research work for the Bureau of Mines in the summer of 1928, Dr. Frey went to the Bureau of Foreign and Domestic Commerce later the same year, remaining there until 1933, when he became advisor to the deputy administrator of the National Industrial Recovery Act in the marketing section.

After assisting in drawing up the Code of Fair Competition for the petroleum industry, Dr. Frey was transferred to the Department of Interior, which administered the code. Upon liquidation of the N.I.R.A., Dr. Frey was transferred to the petroleum conservation division of the Department of the Interior. He served as assistant director of refining and marketing of that division from April, 1936, until May, 1941, when he was transferred to the office of petroleum coordinator for national defense as director of marketing.

In July, 1942, he became special assistant to the deputy petroleum coordinator, in the agency which later became the petroleum administration for war. Since the liquidation of that wartime agency, Dr. Frey has been completing the official history which will be published early next year.

Coty Asks Stay

—Continued from page 5

ponents in the prize fight ring with one arm strapped to his side.

Phillip Layton, counsel for the commission, opposed the stay asked by Coty and denied that the Park & Tilford case could be regarded as a precedent in this case. Park & Tilford had entered into a stipulation with the commission and ceased the practices complained of, he said, when it asked for a fair trade practice conference on household dyes, while Coty has continued its practices complained of in the commission's complaint.

He said also that Coty is in the inconsistent position of contending that its use of demonstrators are legal while at the same time it is working on a trade practice rule that would curb the use of demonstrators and thereby nullify the company's "legal" rights.

No immediate action was taken by the commission on the Coty appeal.

Trade Briefs

Elizabeth Arden Sales Corporation has appointed Howard K. Richmond advertising director.

Chen Yu Inc. has appointed Jack D. O'Connor manager of the chain drug division.

NORDA
Essential Oil & Chemical Co.
INC.
601 West 26th St., New York City
•
BRANCHES
2800 East 11th Street
Los Angeles, California
119 Adelaide Street West
Toronto, Canada
135 Commissioners St. West
Montreal, Canada
325 West Huron Street
Chicago, Illinois
904 Lindeke Building
St. Paul, Minnesota
Amargura 160
Havana, Cuba

?
OUR
PERFU ING
PROB MS
SO VED
BY
VAN AMERINGEN
HAEBLER
INC.
315 FOURTH AVENUE
NEW YORK N. Y.

GUNNING
Manufacturers of the
Finest Quality
ALPHA AMYL
CINNAMIC
ALDEHYDE
GUNNING & GUNNING INC.
601 West 26th Street, New York 1, N. Y.

Petroleum Derivatives

The petroleum derivatives market was slightly quieter last week as the Christmas holidays loomed, but there was still sufficient buyer interest to hold the majority of prices steady to firm, and indications were that with the beginning of the new year there would be a renewal of the rapid pace at which the market had been operating in recent months.

Most of the derivatives were in good supply, and large quantities were said to be moving both on contract and spot. There were, however, the few disappointed consumers in the market who urgently needed items which were difficult to obtain. Of these short items, paraffin was probably in the worst supply position. Buyer interest had been lagging in the face of persistent paraffin shortages, and this section of the market was the dullest of the group.

According to the Bureau of Mines, the estimated domestic crude petroleum needed to meet the demand in December, 1946, was 4,677,000 barrels daily. The indicated consumption amounted to 4,766,000 barrels daily in the second quarter and 4,860,000 barrels in the third quarter of 1946, compared with Bureau's forecasts of 4,639,000 barrels daily and 4,771,000 barrels daily for the same periods.

Market Trends

Prices Advanced

None

Prices Reduced

None

(For Current Prices see Page 9)

Solvents and Diluents

Aromatic Naphthas — Trading was slightly below the level of recent weeks during the period under review, as the expected pre-holiday lull became effective. Still, there was a good deal of activity reported from some quarters, and fairly large quantities of material were moving. Prices were steady and unchanged.

Cleaners' Naphtha — Interest was strictly routine last week as seasonal consumers were the only buyers in the market. The derivative was reported to be in good supply at all centers, and prices were holding steady and without change.

Lacquer Diluent—Although the pre-holiday quiet influenced buying slightly last week, the tone of the market was generally good. Buyers did not lose interest completely, stocks were readily available, and large volume shipments were moving both on contract and spot. Prices were reported to be steady to firm, and there were no changes noted.

Mineral Spirits—Very little activity was reported in this market last week as buyer interest, already slight, was further diminished by the cessation of buying prior to the holidays. The derivative was reported to be in only moderately good supply, and there was only fair movement at most centers. Prices were barely holding steady, but no change was effected.

Rubber Solvent—This market was not materially affected by the widespread quiet which was felt in other sections of the petroleum derivatives market. Buyers were in the market for large quantities, and there was generally a good supply condition at all centers. Some substantial shipments were reported to be moving against all orders. Prices held steady to firm at the previous levels.

Markets at Other Centers

Chicago — Headed by a continuing good call for rubber solvent, the general call for products in this category was extremely good. Inquiry was brisk.

Aromatic Naphthas—Good tone, market firm.

Cleaners' Naphtha—Interest fair, no price change.

Lacquer Diluent — Orders moderate, quotations steady.

Mineral Spirit—Call good, prices holding.

Rubber Solvent—Demand holding high, market firm.

Stoddard Solvent—Buying moderate, quotations unchanged.

V.M. & P. Naphtha — Orders fair, steady prices.

Los Angeles — Trading in petroleum solvents and diluents was good on the Pacific Coast last week. Supplies were excellent.

Lighter Fractions

Butane—Fairly good supply of the material was reported last week, and there were a few buyers active in the market. There was a slight diminishing of interest as the Christmas holiday approached, but stocks were moving well on contract, and some spot orders were met with large shipments. Prices were steady and unchanged.

Heptane—Buyer interest was relatively high last week as improved stocks sponsored additional inquiry. It was expected that there would be further stock improvement following the turn of the year. Prices were steady and unchanged.

Hexane—Material moved well last week on all orders as the material was in good supply and moderately good inquiry was active. Futures buying was stepped up slightly. Prices were steady at the previous levels.

Pentanes—Contract consumers continued to dominate the activity in this market last week. There was little interest in spot stocks, and the majority of the derivative moving was against contract orders. Prices held steady and unchanged, but there was a slight tendency to ease at some points.

Propane — Fuel materials were eagerly sought after by industrial consumers last week as large quantities of this material were moving against contract orders and delivery on spot was prompt and in good volume. Prices were firm and unchanged.

Markets at Other Centers

Chicago—Business generally in these products was showing some continuing pickup. The trade was extensive and undertone was firm.

Butane — Interest good, no market change.

Heptane—Call fair, prices steady.

Hexane—Orders extensive, stable quotations.

Octanes—Movement moderate, no market change.

Pentanes—Inquiry holding up, prices unchanged.

Propane — Fair interest, quotations firm.

Los Angeles—Propane and butane continued to move in good volume here. Offerings were liberal.

Petrolatums and Waxes

Microcrystalline Waxes — Producers continued to concentrate on the filling of contract orders last week as the materials were in tight supply. Shipments to regular consumers were well maintained, but there was little attempt or possibility to begin moving stocks against more recent orders. Prices were firm and unchanged.

Paraffin—There were practically no stocks available last week, and there was a definite tendency for prices to firm. Buyers were in the market spottily attempting to determine whether any stocks had evolved anywhere, but the market was generally quiet.

Petrolatums—The situation in these materials was reported easing last week as stocks began to develop in larger quantities, and there was a decided improvement in delivery against recent orders. Prices were still firm and without change.

White Mineral Oils—The gradual development of an improved supply position in these oils aided buyer interest materially last week, and there were many inquiries reported. Prices held firm and no changes were reported.

Markets at Other Centers

Chicago.—Business remained on a rather routine basis in this general classification. Buyers were in the market on a moderate basis.

Paraffin—Orders good, no market change.

Petrolatums—Trade fair, steady quotations.

White Mineral Oils—Buying modest, prices holding.

Los Angeles—Both refined and crude scale paraffin wax remained in excellent demand, but limited supplies continued to curb trading.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended December 7 totaled 225,419,000 barrels, according to the Bureau of Mines. Compared with the total of 227,693,000 barrels for the preceding week, this represented a decrease of 2,274,000 barrels, comprising a decrease of 2,390,000 barrels in stocks of domestic crude and an increase of 116,000 barrels in stocks of foreign crude.

For Late Market Developments, See Page 4

ASPHALT
FOR EXPORT
(Representing Trice Asphalt Mfg. Division)
AMERICAN LIBERTY OIL CO. Dallas, Texas
PETROLEUM PRODUCTS
INDUSTRIAL RAW MATERIALS CO.
52 WALL ST., N.Y. CITY WH. 4-0710

WAXES
MICRO CRYSTALLINE WAXES
WHITE TO DARK AMBER
145F TO 175F
AMO WAXES
(Amorphous)
WHITE TO DARK AMBER
100F TO 130F
PETROLATUMS
WHITE TO AMBER
105F TO 115F
PARAFFIN WAXES
FULLY REFINED
128 TO 135 AMP
QUAKER STATE OIL REFINING CORPORATION
(SPECIALTY DEPARTMENT)
OIL CITY, PA.

SOLVENT RECOVERY
Reclaimers of
TURPENTINE—LACQUERS—VARSOL
DRUMS - OR - CARLOADS
Distribution Facilities Available for Metropolitan Area
Largest Re-refinery in the World
ACME REFINING CORPORATION
Refinery and Executive Offices
12-34 LISTER AVE. • NEWARK 5, N. J. • Phone: MArket 3-4670

Ospeco
LOW POUR POINT WHITE OILS
All grades PARAFFIN and MICROCRYSTALLINE WAX PETROLEUM SULFONATES
OIL STATES PETROLEUM CO., INC.
WOOLWORTH BLDG. NEW YORK 7, N. Y.
Plant Bayonne, N. J.

ULTRA-PENN
Specialists in quality
PETROLATUMS—WHITE OILS
for every purpose
Ultra-Penn Refining Co., Butler, Pa.

Penn-Drake PETROLATUM
All grades and colors from super-white to dark green
Pure—Odorless—Tasteless
PENNSYLVANIA REFINING COMPANY
General Offices: BUTLER, PA.
Refineries at KARNS CITY and TITUSVILLE, PA.
BRANCHES: Cleveland, Ohio, Edgewater, N. J.

- Quick Drying
- Dries Hard
- Stays Black

BUY YOUR *Screen Paint or Utility Black*

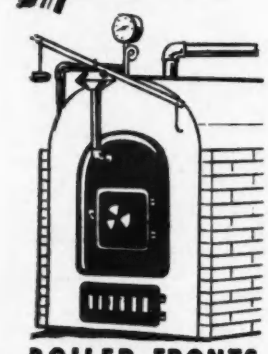
Packed in All-Metal Pints, Quarts and Gallons

YOUR OWN PRIVATE LABEL

Just as if it came out of your own factory. As low priced as your own production.

We own and maintain our own print shop in our plant. Equipped to print any label or trade mark in any color to your own specifications. Immediate attention to your orders.

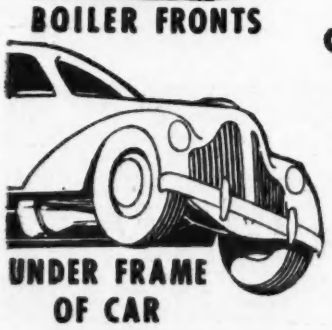
Wire, phone or write for quotations and samples.



WE SPECIALIZE IN
PRIVATE LABEL WATERPROOFING MATERIALS
for Paint and Roofing
Manufacturers and Jobbers

Complete Line of ROOF COATING, CAULKING COMPOUND, ASPHALT ALUMINUM PAINT, GILSONITE PAINTS and All WATERPROOFING SPECIALTIES

Everything with PRIVATE LABEL

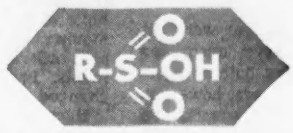


INDUSTRIAL PRODUCTS MANUFACTURING CO.

1208 Iron Street, North Kansas City 16, Mo.
Phone NOrclay 3733

INDOIL
CHEMICAL PRODUCTS

ALKANE SULFONIC ACID
(MIXED)



A new chemical of wide potential interest

Now available in research and development quantities

Samples and prices on request

Mixed methane-ethane-propane sulfonic acid is of demonstrated interest in electroplating. A strong acid and a reactive organic chemical, soluble in water and many organic solvents—applications as a catalyst or condensing agent and in the preparation of interesting new salts and organic derivatives are indicated. Forms metal salts characterized by high water solubility, including those of barium and lead. Send for Circular.

STANDARD OIL COMPANY (INDIANA)
CHEMICAL PRODUCTS DEPARTMENT
910 SOUTH MICHIGAN AVENUE CHICAGO 80, ILLINOIS

---

22 Years of Resin Manufacturing has made PARAMET PARANOL the standard of fine quality in modified Phenolic Resins

The Paramet Line includes:

PARANOL (Modified Phenolic and Maleic Resins)
ESTEROL (Pure and Modified Alkyd Resins)
PARADURA (Pure Phenolics)
PLASKON (Urea-Formaldehyde Resins)
PARAPEN (Pentaerythritol Resins)
ESTER GUMS

PARAMET CORPORATION
Subsidiary of Libbey • Owens • Ford Glass Company
10-09 44th Avenue
Long Island City 1, New York

"Let's call Paramet first"

PARAMET SYNTHETIC RESINS

Protective Coatings Materials

Inquiry for protective coating materials was good last week although some of the markets became a bit easier as seasonal lulls set in. Consumer requirements were still in the phase where it was impossible in all but a few markets to ship the amounts necessary for balanced business. Prospects of increased supplies with the coming of the new year were dull although some change in the naval stores and pigment markets was felt sure to occur. Although labor troubles were lacking last week, increased supplies of various products were not forthcoming as the different industries were already working at full capacity and shortages were actually caused by the lack of production facilities rather than on shortages.

Attempting to bring the domestic price of lead up to the world price, lead producers last week effected another price advance, the third to have been introduced since decontrol of this commodity. Pigments containing lead were appropriately advanced within a very short time after the lead increase. Generally, pigments were in excellent demand but were difficult to obtain in any appreciable quantities.

The imported varnish gum situation continued to be unstable as supplies were reported to be improving but would probably not reach its pre-war state for some months to come. Copal, dammar, elemi and yacca were in very short supply with only spot purchases available to be made. Prices could not be quoted since they vary to a great extent with each shipment contracted for. Re-establishment of facilities in gum-producing areas continued with distributors hoping for greater shipments next year.

Market Trends

Prices Advanced

Barium stearate, 1c. per lb.
Calcium stearate, 2c. per lb.
Lead, blue, basic sulphate, ¾c. per lb.
Lead, red, dry, ¾c. per lb.
Lead, red, in oil, ¾c. per lb.
Lead, silicate, ¾c. per lb.
Lead, white, basic carbonate, ¾c. per lb.
Lead, white, basic sulphate, ¾c. per lb.
Lead, white, in oil, ½c. per lb.
Litharge, ¾c. per lb.
Orange mineral, ¾c. per lb.
Zinc oxide, 35% leaded, ¼c. per lb.
50% leaded, ¾c. per lb.

Prices Reduced

Turpentine, gum, 5c. per gal.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
163.8	162.9	155.4	140.2

(For Current Prices see Page 9)

Metallic Lead and Zinc

Lead—The exhaustive demand which has been characteristic of this market for many months continued last week as much activity with regard to sales and shipments was noted. Only small supplies were available to consumers as the total amount of domestic and foreign lead available continued to fall far short of demand. Prospects for 1947 were none too bright as forecasts of excellent demand threatened to run away from the supply of materials obtained from both good production and foreign imports. Revocation of the 25 percent "set aside" order for domestic production by the CPA was well received by the industry with the hope of alleviating at least partially, the tight supply situation that exists.

High-lighting last week's events, was the announcement of a ¾c. per pound lead increase necessitated by the increase in world market prices. This advance brought the price of lead in New York to 12.55c. per pound, the highest quotation ever to be recorded. This domestic price now equals the import price when transportation and the 1 1/16c. per pound import duty is taken into consideration.

Zinc—Inability to obtain all the stocks required by consumers was nothing new to this market last week. Although mining facilities and processing plants were operating at full capacity, demand was still in excess of available supplies. Market activity was good but new developments were lacking. Prices were steady and unchanged with the East St. Louis price of 10.50c. per pound remaining in effect.

Zinc scrap consumption during October amounted to 19,067 tons, the highest recorded since the monthly zinc scrap survey was started in 1942, according to a Bureau of Mines report. Stocks held at the end of October amounted to 34,654 tons, which was 958 tons greater than the total held at the end of the previous month.

Pigments

Litharge—Shortages rendered by large demand continued last week as producers were unable to satisfy consumers. As a result of the advance in lead, this commodity was subject to a ¾c. per pound price increase. Effective December 16, the schedule of prices became: Five ton shipments in drums, 14½c. per pound; 600 pound drums, 15c. per pound.

Orange Mineral—Similar to the other lead oxides, this material remained in short supply as producers were not able to have enough lead diverted to this phase of lead production. Suffering its third price change since decontrol, this market was subject to a ¾c. per pound increase last week. Prices became: Barrels, 18½c. per pound; five ton shipments in barrels, 18c. per pound.

Red Lead—Reflecting the price advance in pig lead, this commodity was subject to a ¾c. per pound increase last week. Prices now became: Dry red lead in barrels, 16c. per pound; five ton shipments in barrels, 15½c. per pound. Supplies remained scarce as good demand was met by the inability of producers to obtain adequate raw materials for the necessary high production required.

Somewhat surprising last week was the arrival of substantial shipments of red lead from England. Eagerly received in American ports were 860 kegs of this material.

White Lead—Despite good production, the supply situation remained tight as adequate stocks of raw materials were not available to meet the large demand being voiced by consumers. This situation is likely to continue well into next year as prospects of demand much greater than production capabilities remained in evidence.

Basic carbonate of lead prices were subject to a ¾c. per pound advance last week. The schedule of prices became: Shipments in bags or barrels of 500 pounds, 14c. per pound; twenty ton shipments, 13¾c. per pound. Basic sulphate prices were also advanced ¾c. per pound with the following prices in effect: Carlots, 13¼c. per pound; less carlots, 13½c. per pound.

Zinc Oxide—Following the price advance in the lead market, leaded zinc oxides were advanced accordingly by one producer last week. Prices for 35 percent leaded zinc oxides were 10½c. per pound for carlots and 10⅞c. per pound for less carlots. Zinc oxide with 50 percent lead content were 11⅛c. per pound for carlots and 11½c. per pound for less carlots.

Dry and Chemical Colors

Bone Black — Steady demand continued to be evidenced in this market but this demand was confronted with a tight supply situation. As a result, consumers had to be satisfied with the prospect of receiving only a part of such orders as had been placed. Prices were unchanged last week.

Carbon Black—Prospects of a channel black shortage continuing well into 1947 faced the industry as this year's demand far exceeded both supply and the expectations of the industry. Sales of this commodity were being made on a daily production basis rather than taking supplies from stockpiles which no longer exist. Return of the natural rubber industry to even greater heights than before the war has exhausted stocks and will probably continue to do so next year

For Late Market Developments, See Page 4

STEARATES

ZINC
CALCIUM
ALUMINUM
MAGNESIUM

Dependable Deliveries.
Unsurpassed Quality.

SYNTHETIC PRODUCTS CO.
Established 1917
LONDON RD. & EUCLID AVE. CLEVELAND 12, OHIO

OPD—12-23-1946 71

LOOKING FOR A LOW-COST SYNTHETIC RESIN?
Investigate
PICCOLYTE
The Versatile Resin

Available in melting points from 10° to 115°C, PICCOLYTE terpene resins are soluble in low-cost petroleum solvents, non-yellowing, chemically inert, pale color, thermoplastic. Write for complete details.

PENNSYLVANIA INDUSTRIAL CHEMICAL CORP.
CLAIRTON, PENNSYLVANIA

Plants at Clairton, Pa. and Chester, Pa.

Makers of: Coumarone Resins · Coal Tar Solvents · Styrene Resins · Rubber Plasticizers · Reclaiming Oils · Terpene Resins · High Solvency Naphthas · Solvent Oils.

Distributed by FALK CHEMICAL CO. Pittsburgh, Pa.

MINERAL PIGMENTS and EXTENDERS

BLACK, BROWN, RED, YELLOW IRON OXIDES

METALLIC BROWNS, UMBERS, VENETIAN REDS, OCHRES

•

Chromium Oxide and Hydrate
Barytes, Clay Talc Whiting

C. K. WILLIAMS & CO.
EASTON, PA.

Albek's
ODORMASQUE P
REG. U. S. PAT. OFF.
For MASKING the odor of PAINTS, SOLVENTS, MINERAL SPIRITS, KEROSENE, INSECTICIDES, etc., at a fraction of a cent per [illegible]
Manufactured in California by
ALBERT ALBEK, INC.
515 SOUTH FAIRFAX AVENUE LOS ANGELES 36, CALIF.

Crude, Refined, Processed
PAINT and VARNISH OILS

Sales Representatives
Geo. E. Moser & Son, Inc., Detroit, Mich.
White & Co., Akron and Cleveland
Marshall Dill, Los Angeles
Brice H. Boyet, Louisville, Ky.
B. & S. H. Thompson & Co., Regd. Montreal and Toronto
Carrigues, Stewart & Davies, Inc. 40 Rector Street, New York
The Clifford L. Iorns Company 216 So. Seventh Street, St. Louis 2, Mo.

CHINAWOOD OIL
PERILLA OIL
LINSEED OIL
SARDINE OIL
SOYABEAN OIL
OITICICA OIL
RAPESEED OIL
CASTOR OIL
GUM TURPENTINE
QUICKSILVER
Special Oils to Order

PACIFIC VEGETABLE OIL CORPORATION
Importers, Refiners, Manufacturers 62 TOWNSEND STREET, SAN FRANCISCO, CALIF. *4½ million gal. U.S. Gov't Bonded Tank Storage*

METALLIC STEARATES

ZINC STEARATE
ALUMINUM STEARATE
CALCIUM STEARATE
MAGNESIUM STEARATE

Many Other Metallic Soaps

THE **BEACON** COMPANY
PURITY · UNIFORMITY · DEPENDABILITY
Chemical Manufacturers
97 BICKFORD STREET · BOSTON, MASSACHUSETTS

In Canada: PRESCOTT & CO., REG'D., 774 ST. PAUL ST., W. MONTREAL

even though channel black plants are operating at top capacity.

Chrome Colors — Increased chrome color production cannot be held feasible until the tight lead supply situation has been improved. Production during 1946 was good but demand far exceeded supply which resulted in the present scarcity of stocks.

Iron Oxide—This market was declared to be very tight with relatively few supplies available to consumers who have created a large demand. Small stocks continued to arrive spasmodically from foreign sources but these only served to keep the interest in the market alive. From India and England last week came shipments of this commodity totaling 118 bags.

Sienna Earth—It was reported that shipments totaling 251 bags and 165 casks of this material were received in American ports from Italy during the period under review.

Lacquer Materials

Acetone—Business was quiet in this market last week as consumer interest was toned down with the approach of the end of the year. However, even with this slight lull, producers were having a difficult time in trying to stretch supplies in order to cover previous orders as the supply situation was declared to be tight. Export demand remained good although few stocks were available for this purpose. Prices remained unchanged during the period under review.

Butyl Acetate — Although the volume of trading has dropped off during the waining days of December, shortages continued to exist as producers strived to at least partially fill some of the orders placed some time ago. The acetic acid shortage coupled with the limited amount of butyl supplies available made it difficult to maintain desirable balance between supply and demand. Domestic and export demand for acetic acid has been so great that few supplies were being made available for butyl acetate production. Prospects for improved production and larger supplies were dark and it was felt that shortages would exist for quite a length of time in the future. Prices remained firm last week.

Fillers and Extenders

Asphalt Mineral—Arrival in American ports of 410 bags of this material from Havana was noted last week.

Chalk — This commodity was in heavy demand both at home and abroad and stocks dwindled soon after they became available. Domestic demand was capable of taking care of what stocks were on hand with the foreign trade having to be curtailed because of the short supplies. Helping to replenish fast moving stocks were arrivals from England last week amounting to 200 bags of crude chalk and 700 bags of precipitated chalk.

China Clay—In good demand, this industry was faced with the inability to obtain sufficient stocks to fill consumer's requests. Stocks moved at a fast pace and were slightly replenished by the arrival of 116 casks of this material from England.

Fuller's Earth — Similar to other earth pigments and colors, this commodity experienced large demand in the paint industry, consistent with most other paint requirements. Relieving the short supply situation to a slight extent was the arrival of 150 bags of Fuller's earth from England last week.

Graphite — Shipments totaling 158 bags of this material were received in American ports from France last week.

Driers and Flatteners

Napthenates—With the end of the year approaching, the napthenate market was in the process of closing out a successful and healthy year when compared with so many of the other less fortunate protective coating markets. Characterized by recurrent good production, this industry was generally capable of meeting the excellent demand showered on it by the paint industry. But for the coal and trucking strikes that occurred in the past six months, producers witnessed few other difficulties in regard to production and shipments. Prices remained firm and unchanged last week but it was rumored that an increase might be effected around the first of the year.

Resinates — Materially unchanged from previous weeks, this market was generally balanced with regard to supply and demand although a slight backlog in orders for precipated resinate stocks was declared to exist. Shipments of fused resinate stocks were moving smoothly and adequate stocks were on hand to satisfy a market besieged with good buyer interest and demand. No price changes were reported last week although a slight advance might be expected in the near future.

Stearates—Although a very slight change in the supply situation was stated to have occurred, supplies continued to remain very tight with little hope of any appreciable relief arriving during the remainder of this year. Sales were being made on a spot price base with no contracts being written. Prospects of increased production in 1947 were none too bright as inadequate stearic acid production was expected for some time to come.

Announcement of price advances in some stearate prices was made by one producer last week. Calcium stearate prices were advanced 2c. per pound with carlot prices now being quoted at 46c. per pound and less ton quantities selling at 48c. per pound. Barium stearate was up 1c. per pound and prices quoted were 50c. per pound for quantities of 2,000 pounds to carlots, and 51c. per pound for less ton quantities.

Varnish Gums

Shellac—Although the market was declared to be slightly steadier last week than the previous week's easier market, demand continued to fall short of that expected. Supplies were moving slow with adequate stocks said to be on hand for present requirements. High prices continued to prohibit consumers from procuring large amounts of these stocks although increased demand was expected to be witnessed with the coming of the new year.

Good shipments were reported to have been received in American ports last week. Included in these shipments were 1,340 bags and 191 cases of shellac and 100 bags of seedlac, all of which arrived from India.

Naval Stores

Rosin — Subject to a four to five cent price advance on Thursday, the market was firm last week as the seasonal lull set in. Small production at this time of the year slightly diminished the movement of supplies. Demand continued to be reported as

UTILITY GREENS
Permanent—Acid and Alkali Resistant

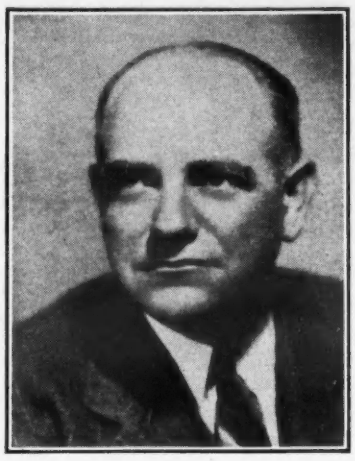
UTILITY COLOR COMPANY
377-89 Frelinghuysen Avenue
NEWARK 5, N. J.
Sales Offices and Warehouses in Principal Cities
Cable "Utility," Newark, N. J.
Established 1917

SLC

Ultramarine Blue
Alkali Blue Toner
Dyestuffs
Methyl Violet Toners
Blanc Fixe
Iron Blues
Para Toners
Toluidine Toners
Lithol Toners
Red Lake C Toners
Permanent Orange Toners
Pyrotone Red Toners
Barium Products

STANDARD ULTRAMARINE CO
HUNTINGTON, WEST VIRGINIA

District Manager



Arthur H. Burt has been named manager of the north central district of Sherwin-Williams Company, paint manufacturer, Cleveland, succeeding L. T. Statham, resigned. Mr. Burt has been with the company since 1912.

good with export demand declared to be excellent. Rumors of the decontrol of export restrictions in the not too distant future continued to be heard. It was expected that if these restrictions would be lifted, a rosin price advance would be noted since a ready outlet would be found in many foreign countries who are in dire need of this commodity. Some felt that the present price of rosin was not too high and felt that an advance would be forthcoming but would probably turn into a decline next summer when expected excellent production would find a very large amount of stocks on the market.

In the December 9 issue of the Oil, Paint and Drug Reporter, it was erroneously reported due to a typographical error that the average domestic rosin consumption during the years 1940-1946 was 335,000 drums. This figure should have been 1,335,000 drums.

A record of the Savannah rosin market for the week ending December 20 will be found on page 4.

Turpentine—Quieting down at this time of the year, the turpentine market prepared to close out 1946 in the midst of a severe shortage of supplies. Demand has tapered off for this material in many industries but the paint industry continued to require good supplies. Southern production for the year was over with only small supplies being made available. About the only bright spot to look forward to is the expected large turpentine production in 1947. After it had appeared that prices were at a steady level, turpentine was subject to a five cent per gallon decline last Thursday. There was no certainty that this price would remain in effect very long, although it was the general hope of the industry that this new low would become steady and foster greater interest in the market.

A record of the Savannah market for the past week will be found on page 4.

Glues and Binders

Bones—Arrival in American ports of 302 bags of this glue raw material from Argentina was reported last week.

Casein—Supplies were strengthened slightly last week by the arrival of fair shipments from the Argentine but a supply of surplus stocks was not able to be built up as consumer demand quickly absorbed these imports. The prospect of increased Argentine imports held a few weeks ago became dark last week as reports indicated that the Argentine Institute for the Promotion of Trade was reversing back to its former position of paying producers 1,500 pesos per ton instead of the figure of 2,000 pesos paid during the compromise effected a few weeks ago. If this proves true, a virtual embargo because of the refusal of Argentine farmers to move their supplies at this price will probably result.

In the meantime, domestic demand continued at a high rate with consumers remaining hard-pressed to secure enough supplies to meet at least a part of their requirements.

Recorded shipments from the Argentine to American ports during the past week amounted to 7,099 bags.

Gelatin—A shipment of 225 bags of this material was reported to have been received in American ports from France during the period under review.

INSECTICIDE BASE OILS
SHELL "DISPERSOL" SHELL INSECTICIDE BASE #40 BASE OIL
Petroleum Naphthas and Solvents
Plasticizers and Extenders for Plastics and Rubber
Toluol and Xylol
SHELL OIL COMPANY
INCORPORATED
50 West 50th Street New York 20, New York

LAMP CARBON BONE BLACKS LAKE VINE OXIDE
C. J. OSBORN CO., 132 Nassau Street, NEW YORK 7
Established 1889

ORGANIC WOBURN CHEMICALS
CHEMICAL CORP. (N. J.) Harrison, N. J.
Woburn, Mass. Kearny, N. J. Moore Haven, Fla.
No. Woburn, Mass. Toronto, Canada Lake Wales, Fla.

ZINC CALCIUM ALUMINUM MAGNESIUM
STANDARDIZED and SPECIAL STEARATES
More Than 20 Grades and Types Available
SAMPLES ON REQUEST
MALLINCKRODT CHEMICAL WORKS
Mallinckrodt St., St. Louis 7, Mo. 72 Gold St., New York 8, N. Y.
CHICAGO • PHILADELPHIA • LOS ANGELES • MONTREAL

OHIO-APEX, INC., Nitro, W. Va.
Manufacturers of PLASTICIZERS and CHEMICALS
KRONISOL, (Dibutoxy Ethyl Phthalate) (Dibutyl "Cellosolve" phthalate)
KRONITEX AA, (Tricresyl Phosphate)
METHOX (Dimethoxy Ethyl Phthalate) (Dimethyl "Cellosolve" phthalate)
ETHOX, (Diethoxy Ethyl Phthalate) (Di "Cellosolve" phthalate)
DIOCTYL PHTHALATE
KAPSOL, (Methoxy Ethyl Oleate)
KP-23, (Butyl "Cellosolve" Stearate)
PHOSPHORUS TRICHLORIDE
PHOSPHORUS OXYCHLORIDE
ANHYDROUS ALUMINUM CHLORIDE
Samples and data on request
"Cellosolve" "Kronisol" "Kronitex," "Methox" Ethox" and "Kapsol" are trademarks
For inorganic phosphorus products represented by Joseph Turner & Co., Ridgefield, N. J.
For plasticizers represented in New York, New Jersey and Connecticut by Stoney-Mueller, Inc. Lyndhurst, N. J.

AHCO PRODUCTS
METHYL "CELLOSOLVE"* STEARATE
METHYL "CELLOSOLVE" STEARATE, a synthetic ester, is used as a plasticizer for cellulose derivative, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOCH_2CH_2OCH_3$
Molecular weight	342
Color (platinum cobalt scale)	175
Melting point	22° to 24°C
Flash point	378°F
Acidity	less than .6 mg. KOH per gram ester
Specific gravity	.888 at 25°/25°C
Iodine value	2 max.

Low volatility
* Trade mark of C&CC.

BUTYL STEARATE
BUTYL STEARATE, a synthetic ester, is used as a plasticizer for cellulose and polyvinyl derivatives, also for cosmetics, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOC_4H_9$
Molecular weight	341
Color (platinum cobalt scale)	130
Melting point	19° to 20°C
Flash point	358°F
Acidity	less than .6 mg. KOH per gram ester
Saponication number	171-179 mg. KOH per gram ester
Specific gravity	.85-.86 at 20°/20°C
Iodine value	2 max.

Low volatility
ARNOLD-HOFFMAN & CO., INC.
Manufacturing Chemists
PROVIDENCE, R. I.
Established in 1815 • Plants at Dighton, Mass. and Charlotte, N. C.
NEW YORK • BOSTON • PHILADELPHIA • CHARLOTTE

RAW and BURNT IMPORTED UMBERS
ZINC, LEAD, STRONTIUM, CALCIUM and BARIUM CHROMATES
ZINC TETROXY CHROMATE
SYNTHETIC RAW and BURNT SIENNAS
(very easily ground)
PURE CHROMIUM OXIDE GREEN
SYNTHETIC YELLOW, RED, BROWN and BLACK IRON OXIDES
DISPERSED LAMP and CARBON BLACK
(dry and paste)
MINERAL PIGMENTS CORPORATION
Muirkirk, Maryland

GOVERNMENT-OWNED SURPLUS

XYLIDINE

Approximately 1,900,000 Gallons

Xylidine is a somewhat toxic liquid which was used during the war as an additive to aviation gasoline to raise the octane rating. The chief civilian uses are in the manufacture of dyes and intermediates. Xylidine can also be used for the following purposes:

(1) Accelerator for rubber;
(2) Wood preservative;
(3) Wetting agent for textiles;
(4) Anti-oxidant for paint pigments;
(5) Frothing agent in ore dressing.

This material is offered, as is, subject to the right of inspection by the prospective purchaser at its location. No warranty is made, either expressed or implied, except as to title.

This material is in bulk storage located at the Cactus Ordnance Plant, Dumas, Texas, and is offered for sale by the War Assets Administration at the Fort Worth Regional Office.

BIDS TO PURCHASE all or part of this material (minimum quantity one tank car) f.o.b. location will be

ACCEPTED UNTIL NOON JANUARY 28, 1947

by the Fort Worth Regional Office. War Assets Administration reserves the right to reject any or all bids; to make awards in whole or in part; or to extend the period of the sale. Material is subject to withdrawal prior to contract.

RESERVE FOR PRIORITY CLAIMANTS

THIS MATERIAL is offered for sale in the following sequence as provided by law: (1) Certified Veterans of World War II; (2) Subsequent priority claimants in proper sequence; (3) Non-priority purchasers. Federal agencies have had opportunity to fulfill their needs. Veterans of World War II should apply to their nearest War Assets Administration certifying office for certification. The case number shown on the certification, the date of the certificate, and the location of the certifying office must be stated in a veteran's offer to purchase.

PRIORITY PURCHASERS are entitled to purchase surplus property at the fair value thereof. The fair value of this material for priority claimants will be determined by an analysis of bids submitted by non-priority bidders and will be the lowest price at which this material will be awarded to a non-priority bidder. Bids or offers to purchase should be submitted by priority claimants up to noon January 28, 1947, in accordance with the above, and thereafter WAA will advise priority claimants submitting bids of the fair value of the material as stated above.

Mark your envelope "OFFER TO PURCHASE XYLIDINE N.S.P. 2006" and mail it to War Assets Administration, P. O. Box 1407, Fort Worth, Texas.

WAR ASSETS ADMINISTRATION

917

Kyanite Substitute Production Described

OPD Washington Bureau

A new synthetic material, artificial sillimanite, replaced Indian kyanite in the manufacture of mullite refractories in Germany during the war, according to a report now on sale by the Office of Technical Services, Department of Commerce.

The report was prepared by G. W. Josephson of the Joint Intelligence Objectives Agency. It describes the ingredients of the substitute and the method used by the Heinrich Koppers Corporation of Duesseldorf in preparing it.

Some of the refractories made of the substitute material compared favorably with those using kyanite, but on the whole the quality was somewhat lower, because of higher shrinkage. Also, the substitute material cost three times as much as the delivery price of kyanite.

The formula for making artificial sillimanite requires, by weight, 60 percent kaolin, 27 percent aluminum hydroxide, 10 percent fused alumina, and 3 percent feldspar. The fused alumina helps to reduce shrinkage in the batch mixture, and the feldspar facilitates the formation of mullite To accelerate mullite crystallization. Dr. H. Frank, of Koppers, suggested addition of one to five percent of very finely ground natural kyanite, when available.

The aluminum hydroxide, obtained from a Bayer process plant, is wet ground in a ball mill until virtually all particles can pass through a vibrating guard screen of 10,000 mesh per square centimeter.

The kaolin is crushed to a powder, fused alumina and feldspar are added, and the three ingredients are dry mixed in a Gilow Schlutius mixer. The aluminum hydroxide is then added. Water is controlled to constitute 25 percent of the finished batch.

The batch is carried to a "de-airing" screw, extruded, and cut into slabs. After drying the slabs are burned in a long-flame tunnel kiln. The resultant crude artificial sillimanite is then crushed to four sizes for use in the manufacture of mullite refractories.

The report also contains a description of the less successful attempt of the Dr. Carl Otto Corporation, in Dahlhausen, to manufacture a kyanite substitute. A six-page translation of a German document entitled, "Occurence of Kyanite in Styria, and Its Use for the Production of Refractories" is included.

Orders for the report ("Kyanite and Synthetic Silliminite in Germany"; PB-34809; photostat, $1, microfilm, $1) should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order payable to the Treasurer of the United States.

Hoyt Leaves Hercules Naval Stores Dept.

Frank W. Hoyt, sales representative with the St. Louis office of the naval stores department of Hercules Powder Company, will retire December 31, after forty-two years service with the Aetna Powder Company and Hercules. Joseph M. Carbonera, who transferred to St. Louis from the New York office last summer, will serve as naval stores sales representative in that district.

A native of St. Louis, Mr. Hoyt joined Aetna there as salesman in November, 1904, and moved on to the Joplin, Mo., office as sales manager in 1917. When Hercules purchased Aetna in 1921 Mr. Hoyt joined Hercules as special representative, and was stationed in St. Louis.

In 1927, he was appointed to his present position as representative of naval stores department sales in St. Louis, under the supervision of the Chicago office.

Monsanto Expands Plastics Plant

Construction of a new pilot plant to further plastics research is expected to get under way at Monsanto Chemical Company's plastics division, Springfield, Mass., this week. The new building, to cost an estimated $175,000, will be completed by early summer. The new unit will more than double the facilities for production, research and development work of the company's research department.

Company officials also announced that the color laboratory will be tripled in size to handle the increased load brought about by the expanded production of all types of plastic materials. At the same time, new injection molding equipment will be installed in the color laboratory to facilitate sample molding runs.

Paramet Moving Plant Operations to Toledo

The Paramet Corporation, manufacturer of synthetic resins, Long Island City, N. Y., will move its entire manufacturing operations to a new plant now being built in Toledo, Ohio. Due to conditions associated with the move, the company, for the next several months, will confine its total production to alkyd resins, the type sold under the trade name "Esterol."

According to B. W. Slater, general manager of Paramet, the new plant is expected to be in operation in June or July, 1947, with full production of all resins in effect.

Trade Briefs

M. J. Merkin Paint Company, New York, paid close to $50,000 to approximately 175 employees in Christmas bonuses.

S. & G. Chemical Company, Philadelphia, waterproofing compound manufacturer, has appointed Dominick Don Fernicola sales manager for the Eastern territory.

Harte & Co., New York, makers of "Wataseal" plastics, recently appointed Arthur A. Regel as chief chemist in charge of laboratory research in the plastics fabrics and sheetings division. Mr. Regel was formerly with the United States Rubber Company.

JLS PIGMENTS

YELLOW IRON OXIDE
(Natural and Synthetic)
also
SPECIAL BROWNS
for
PORCH AND DECK.
SASH AND TRIM PAINTS

J. LEE SMITH & CO., Inc.
EST. 1854
19 JACOB ST., NEW YORK 7

Shawnee
DRY COLORS
"Color Content Guaranteed"

Chrome Greens
Chrome Yellows
Zinc Chromates
Toluidine Reds
Para Reds, Iron Blues
Cadmium Colors
Lake Colors
Zinc and Aluminum Stearate

KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works:
LOUISVILLE, KENTUCKY
Offices and Agents in Principal Cities
Distillers of
No. 2-D Shingle Stain Oil
Refined Fusel Oil
(when available)
Dirty Solvent Recovered

Oils, Fats and Waxes

Interest in oils and fats slackened last week, and trading was restricted in volume. The market, however, continued firm and in the case of soybean oil was stronger with sales for January and February delivery transacted at fractional advances. Refiners reduced bids for crude cottonseed and peanut oils, but selling pressure was lacking and business was placed at former levels. Trading in peanut oil was reported as heavy and the output was sold through next April. Cottonseed oil sales were light and spasmodic with prices firm and unchanged. The shortage of tankcars it was stated has caused considerable delay in the delivery of crude oil to refiner's mills, which also was reflected in the limited available supply of refined grades.

The absorption of close to 100 tankcars crude coconut oil a week ago, at about 18c. per pound, combined with further advances in copra, tightened this market and resulted in fractional advances last week. Copra for shipment was boosted $7 to $14 per ton.

Unsettlement in the hog market, brought out increased offerings of grease and sales of house and yellow grades were made at fractional declines. Other grades were unchanged. Tallow held steady and trading in extra was reported at prevailing quotations.

Arrivals of 2,000 tons of sunflowerseed oil, 654 tons of cottonseed oil and 1,007 tons of peanut oil were noted at New York last week from the Argentine for transhipment to Canada.

Cottonseed Oil

This market continued firm last week. Demand for crude oil was brisk at 27c. per pound, f.o.b. mills and scattered sales were reported in the Southeast and the Valley for shipment up to next June. Crushers continue to maintain a completely sold up position as fast as new seed is available. Seed was held at $110 per ton.

Refined bleachable oil offerings were limited on the New York Produce Exchange. Market was firm with trading light.

Cottonseed production for 1946 was placed at 3,452,000 tons against 3,664,000 tons in 1945 and 10-year 1935-44 average of 5,240,000 bushels, according to the final crop summary of the Department of Agriculture.

Prices of refined bleachable prime summer yellow cottonseed oil in tankcars on the N. Y. Produce Exchange for the week ended Thursday, December 19 follow:—

	Sales	Cents per pound—High	Low	Close
January	..	..	..	27 bid
March	..	..	..	26 bid
May	6	26	26	25¾ bid
July	3	24¾	24¼	24¾ bid
September	1	21.40	21.40	21½@22¼
October	1	19½	19½	19@21
November	..	..	..	20 ask
December	..	..	..	19¾ ask

Total sales, 11 contracts.

Crude oil sales at 27c. per pound, tankcars, f.o.b. mills, Southeast and Valley.

Memphis, Dec. 19. — Crude cottonseed oil sold and available at 27c. per pound, f.o.b. mills. Soybean oil offered at 24c. per pound, mills, for nearby shipment.

Market Trends

Prices Advanced

Copra, $14 per ton, Pacific coast.
Copra, $7 per ton, Atlantic coast.
Cottonseed meal, $5 per ton.
Coconut oil, crude, ½c. per lb.
Grease, house, ¾c. per lb.
Grease, yellow, ¾c. per lb.
Soybean meal, $3 to $5 per ton.
Soybean oil, ½c. per lb.

Prices Reduced

Carnauba wax, N. C., No. 2, 2c. per lb.
Carnauba wax, N. C., No. 3, 2c. per lb.
Carnauba, refined, 2c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
283.5	282.6	286.0	193.3

(For Current Prices see Page 9)

Demand for cottonseed and soybean meals advanced about $3 per ton. Many mills shutting down for the holiday period. Cottonseed held at $110 per ton. Nearly all cotton gathered.

Linseed Oil

Scarcity of oil continued to affect trading last week. Consuming inquiry was active for prompt and nearby delivery. Little improvement is expected locally until the recently arrived 9,975 tons of Argentine oil is allocated to sellers, and the purchase price is made known. Market nominal for raw oil at 34.8c. per pound, tankcars, for prompt delivery.

Flaxseed production for 1946 was indicated at 22,692,000 bushels, compared with 34,557,000 bushels, last year and the 1935-44 10-year average of 23,426,000 bushels by the Department of Agriculture in its final crop report for this season.

It was reported that two crushers offered to contract for new crop flaxseed from the Imperial Valley, California on the basis of $6.50 per bushel for one half of the crop and the other half to be priced at the market at the time of delivery or on a call arrangement. If the second half of the crop should sell at $7.50 per bushel, the grower would receive $7 per bushel for the whole crop. Other crushers were expected to make the same offer.

Minneapolis, Dec. 19.—Mills were cutting operations for the holidays and estimated production was around 60% of capacity. Demand for oil continued broad but crushers had only scattered odd lots for sale and it was virtually impossible to determine a price basis. Nominal prices on oil for January were 35c. a pound in Zone 1, 34½c. per pound for February-March and 34c. for April forward. Crushers were not offering at these prices, however, and each sale was made on its individual merits.

Shipments of linseed oil, in pounds, were as follows:—

	1946-47	1945-46
This week	4,260,000	6,840,000
Since Sept. 1	95,400,000	110,008,000

Los Angeles, Dec. 18.—Limited offerings continue to restrict trading. However, deliveries are being made against former contracts. Oil was quoted at 34c. per pound in tankcars.

Flaxseed — Crushers were in the market for seed and bidding at $7.25 per bushel. Offerings were light and promptly absorbed.

Minneapolis, Dec. 19.—Demand for flax continued brisk and supplies available in

Cottonseed Crush Smaller: October

Cottonseed received and crushed and production of cottonseed products from August 1 through November 30, 1946, as compiled by Bureau of the Census, follows:—

Cottonseed

	Tons 1946-47	1945-46
Receipts	[1]2,329,570	2,333,581
Crushed	1,356,291	1,482,209
On hand Nov. 30	1,091,085	1,069,720

Crude Oil

	Pounds 1946-47	1945-46
Produced	420,800,000	460,677,000
Shipped	376,907,000	423,314,000
On hand Nov. 30	[2]101,983,000	110,135,000

Refined Oil

	Pounds 1946-47	1945-46
Produced	[3]302,365,000	367,428,000
Shipped	.....	.....
On hand Nov. 30	[4]165,735,000	307,372,000

Cake and Meal

	Tons 1946-47	1945-46
Produced	598,429	655,816
Shipped	549,144	655,044
On hand Nov. 30	80,913	53,030

Linters

	Bales 1946-47	1945-46
Produced	[5]431,260	445,905
Shipped	337,089	356,645
On hand Nov. 30	[6]129,225	107,836

Hulls

	Tons 1946-47	1945-46
Produced	7,660	7,642
Shipped	6,459	6,657
On hand Nov. 30	1,704	1,309

[1] Includes 992 tons destroyed during 1945-46. Does not include 117,806 and 219,340 tons on hand August 1, 1946 and 1945, respectively, nor 35,342 and 23,968 tons reshipped during the seasons 1946-47 and 1945-46.

[2] Includes 54,282,000 pounds at oil mills, 30,365,000 pounds at refining and manufacturing establishments, and 17,336,000 pounds in transit.

[3] Produced from 325,083,000 pounds of crude oil.

[4] Includes 161,595,000 pounds at refining and manufacturing establishments and 4,140,000 pounds held elsewhere and in transit.

[5] Includes 124,695 bales first cut, 253,712 bales second cut, and 52,853 bales mill run.

[6] Includes 56,692 bales first cut, 59,748 bales second cut, and 12,785 bales mill run.

For Late Market Developments, See Page 4

STEARIC ACID
OLEIC ACID
(Red Oil)
DISTILLED
FATTY ACIDS
Animal
and
Vegetable
RUFATS
(Hydrogenated
Fatty Acids)
WILSON & CO. INC.
WILSON-MARTIN DIV.
SNYDER AND SWANSON ST.
PHILADELPHIA, PA.

OPD—12-23-1946 75

AMCON
AMORPHOUS WAXES
(All Colors)
SPECIAL PETROLATUMS
(All Colors)
USP PETROLATUMS
(Snow White and Amber)
REFINED NAPHTHENIC ACIDS
AMCON TRADING CORPORATION
29 BROADWAY NEW YORK 6, N. Y.

Emery
STEARIC, OLEIC, FATTY ACIDS
Processed Under Strict Control
TO MEET SPECIFICATIONS ACCURATELY
ALL GRADES
FATTY ACIDS • GLYCERINE • PITCH
SPECIAL FATTY ACID DERIVATIVES
TWITCHELL REAGENTS
EMERY INDUSTRIES, INC.
4300 CAREW TOWER • CINCINNATI 2, OHIO
3002 Woolworth Bldg. 187 Perry St. 401 N. Broad
NEW YORK 7, N. Y. • LOWELL, MASS. • PHILADELPHIA 6, PA.

W.C. HARDESTY CO.
41 EAST 42nd ST., NEW YORK 17, N. Y.
RED OIL STEARIC ACID
Saponified — Distilled
HYDROGENATED FATTY ACIDS
(HYDREX)
Cottonseed Oil Fatty Acids
Tallow Fatty Acids
Corn Oil Fatty Acids
Specialty Fatty Acids
GLYCERINE — PITCH — WHITE OLEINE
FACTORIES
DOVER, OHIO
LOS ANGELES, CALIF.
TORONTO, CANADA

Fully Micro-Crystalline Petroleum Wax

MULTIWAX

White • Yellow • Dark

Petroleum Specialties, Inc.

400 Madison Avenue PLaza 8-2644 New York 17, N. Y.

VEGETABLE OILS • ANIMAL OILS
FATTY ACIDS • ALKALIS and CHEMICALS

MAYPON 4-C MAYPON K and other SYNTHETIC ORGANIC WETTING AGENTS
LANOLIN—All Grades

Let Us Mix Your Private Dry Formula

WELCH, HOLME & CLARK CO., INC.
439 West Street, New York 14, N. Y.

THE BRODE CORPORATION
MEMPHIS, TENNESSEE

Domestic and Export
PRODUCTS OF COTTONSEED, PEANUTS SOYBEANS and GROUND GRAINS
Members: Memphis Merchants Exchange, Chicago Board of Trade, Grain and Feed Dealers National Association, American Feed Manufacturers Association, Inc., National Cottonseed Products Association.
Codes: Yopps Robinsons, Bentleys ABC, 5th Edition Peerless

CHINA WOODOIL
Available in Drums and 3ulk

UNIVERSAL TRADING CORPORATION
630 FIFTH AVENUE
NEW YORK 20, N.Y.
Woodoil Dept. Circle 5-7646

DARLING'S PEARL-STEARIC

A FREE-FLOWING STEARIC ACID IN BEAD FORM

•

Measures, Weighs, Mixes and Melts Quickly

Also
Slab Stearic Acid
Oleic Acid
Red Oil
Fatty Acids
Glycerine
Pitch—and
Special Fatty Acids for Rubber Compounding

DARLING & COMPANY Manufacturers
42nd & S. Ashland Ave., Chicago 9, Ill.

the country or in the spot market were bid in at $7.25 per bushel. Receipts for the week dropped off again, reflecting the tight transportation situation, unwillingness of producers to sell before January 1 because of income tax liabilities and the drying up of supplies remaining in the country. Recent private surveys of the situation indicated that 14,900,000 bushels of flax were marketed in the Northwest up to December 1 and it is felt that there is little remaining in the country, aside from seed stocks. The seeding situation is rather mixed, some areas having a fair to good supply and others having nothing or a bare minimum requirement. Crusher stocks of seed flax were at the 200,000 bushel quota and operations are getting under way to distribute these supplies to shortage areas.

	Receipts		Shipments	
Bushels—	1946-47	1945-46	1946-47	1945-46
This week	193,800	147,000	17,000	27,000
Since Sept. 1.	8,835,800	16,110,000	4,054,000	2,812,000

Flaxseed was quoted at $7.25 per bushel for spot delivery at Minneapolis and Duluth.

Buenos Aires, Dec. 20.—No flaxseed shipments were made last week. Visible supply of flaxseed was not available.

London, Dec. 20.—Linseed oil spot quoted at 135s. per 112 pounds.

Other Vegetable Oils

Castor, Dehydrated — Inquiry continued active, but the scarcity of supplies continued to restrict business. Market was firm at former quotations.

Coconut — Market was firmer and crude oil was advanced ½c. to 18½c. per pound, tankcars, f.o.b. Pacific coast for prompt shipment. Copra also was higher and increased to $199 per short ton, Pacific coast and $202 per short ton, Atlantic ports. Exports of copra from Philippines were reported at 83,120 tons during November of which 53,100 tons were shipped to the United States and 30,020 tons to foreign countries. In October, shipments to the United States were 49,920 tons and 68,380 tons to foreign destinations. Total exports from the Philippines for eleven months ending November were 510,690 tons compared with 5,979 tons during 1945.

Oiticica — Business was confined to small drum lots for spot delivery. Supplies were scarce on spot and firmly held at former quotations. Offerings for shipment were nil. Arrivals totaled 2,498 drums at New York last week and were consigned against former contracts.

Olive — Imports of edible oil amounted to 670 drums from Syria and 3,700 cases from Italy for delivery against soybean oil quota. Demand continued inactive and the market was nominal at $8 to $8.50 per gallon, in drums, duty paid, on the spot.

Palm — Arrival of 1,059 tons were noted at New York last week for allocation to consumers. No oil was reported available for resale. Reports from London stated that the British government was negotiating for the 1947 palm oil production in the Federated Malay States on the basis of 19c. per pound, U. S. currency.

Peanut — Heavy trading was reported at 27½c. per pound, tankcars, f.o.b. mills, for shipment through next April. Inquiry was active. Crushers were operating at capacity and having no difficulty in keeping sold ahead. Peanut crop for 1946 was indicated at 2,075,880,000 pounds compared with 2,042,235,000 pounds in 1945 and the 10 year 1935-44 average of 1,587,964,000 pounds. World peanut production for 1946 is tentatively estimated at 9,500,000 tons, a decrease of only 3 percent from the 9,800,000 tons in 1945 and a slight decline from the 1935-39 average. This year's decrease is attributed chiefly to smaller crops in India, the world's largest producer and in French West Africa, the third in importance. China, the second largest producer, and the British West African countries estimate increases in the 1946 crops. North American peanut production is down about 7,000 tons from last year, chiefly as a result of the short crop in Mexico of 30,000 tons, compared with 44,000 tons last year. Cuba's production was larger, estimated at 30,000 tons, against 24,000 tons in 1945.

Rapeseed — Available supplies on the spot were still scarce and the market was entirely nominal. Imports totaled about 2,600 drums at New York from Havre last week and delivered on previous contracts.

Sesame — First official estimate placed the Indian sesame seed acreage for 1946-47 at 1,430,000 acres, compared with 1,509,000 acres, a year ago and 1,664,800 acres, the 1941-45 average. Encouragement given to the increased cultivation of bread grains accounts for the reduced sesame acreage.

Soybean — Market was firmer and crude oil was reported sold at 25c. per pound, tankcars, f.o.b. mills for January-February shipment. Offerings for prompt and nearby shipment were firmly held. Soybean crop for 1946 was reported at 196,725,000 bushels, compared with 192,076,000 bushels last year and 10-year 1935-44 average of 103,457,000 bushels, according to the Department of Agriculture.

Sunflowerseed — Some 2,000 tons of Argentine sunflowerseed oil arrived at New York last week for transshipment to Canada.

Tall—Production of refined oil was in active request against former orders. Offerings continued scarce as the output was sold well ahead. Prices were unchanged and firm.

Tung — Arrivals were reported at 1,685 tons and 1,184 drums on the Pacific and Atlantic coast during the past two weeks, which were consigned against former orders. Supplies of resale oil were light and limited for prompt delivery. Market was steady and reflected the strength in China.

Chicago, Dec. 18.—Demand is fairly active for vegetable oils. Ruling prices are:—Coconut oil, crude, tankcars, 19c. per pound; corn oil, crude, f.o.b. Decatur, 27½c. per pound; refined, edible oil, 30c., drums, carlots; peanut oil, southern points, 27c. to 27½c. per pound; soybean oil, tankcars, Decatur, 24½c. to 25c. per pound.

Los Angeles, Dec. 18.—Little activity was noted in the vegetable oil market this week. Inquiry for all oils was excellent. Market tone firm. Ruling tankcar prices are:—

Chinawood, 38c. per pound; coconut, crude, 19c. per pound; cottonseed, bleachable, 27c. per pound, f.o.b. Texas; mustardseed, 20c. per pound; peanut, crude, 27c. per pound, f.o.b. Texas; sesame seed, crude, 30c. per pound; soybean, 24c. to 25c. per pound; castor, prime cold pressed, 36c. per pound, drums included.

Fats and Greases

Greases—This market was easier and prices were reduced about ⅜c. per pound for house and yellow greases. Sales in house were reported at 20⅞c. per pound and yellow at 21c. per pound, loose. Declines were reported more drastic in Chicago, ranging up ⅞c. per pound. Other grades were unchanged and more or less nominal. Choice white was quoted at 22c. per pound, white B, 21¼c., house 20⅞c. and yellow, 21c. per pound, loose.

Lard—Reports from Chicago stated that a good volume of business for export was transacted for shipment to Cuba and South American destinations. Cash lard sales were reported at 24½c. and 25c. per pound, in tierces. Weakness in hogs created an easier tone in futures. Stocks of lard and rendered pork fat in the United States totaled 38,913,000 pounds, December 1, compared with 31,513,000 pounds, November 1 and 59,349,000 pounds, December 1, last year. Five-year average for December 1 was 102,954,000 pounds. Stocks of lard in Chicago amounted to 9,060,088 pounds, December 15, against 6,390,585 pounds, December 1 and 10,501,680 pounds, December 15, 1945.

Tallow—While increased offerings weakened grease, the tallow market was unchanged and steady. Sales in extra were reported at 21¾c. per pound, loose, and supplies were not offered freely. Other grades were also well held at former levels.

Animal Oils

Degras—Trading was reported quiet, with quotations unchanged and fairly steady.

Grease Oil — Supplies continued scarce and the market remains steady. Business was limited. Winter strained was quoted at 27c. and prime burning at 27½c. per pound, tankcars, Chicago.

Oleo Oil—Inquiry was less active, but offerings were light. Extra was quoted at 31c. per pound, loose, New York, and 30c. per pound, Chicago.

Neatsfoot Oil—Production was reported limited and sold ahead. Market was quiet, with prices not quoted.

Fish Oils

Menhaden—This market was quiet, but firm owing to the scarcity of supplies of refined and crude oils. Production of crude was sold up and offerings of refined grades were lim-

Margarin Output Larger

Margarin production during October was larger than same period last year, according to statistics compiled by the Bureau of Internal Revenue.

	Pounds—October 1946	1945
Production of uncolored margarin	50,619,820	[1]45,724,888
Withdrawn tax-paid	49,897,798	44,069,240
Used in Colored Margarin		
Butter culture	68	11
Butter flavor	232	665
Citric acid	298	99
Corn oil	637,480	826,984
Cottonseed flakes	.....	2,450
Cottonseed oil	22,303,914	17,700,259
Cottonseed stearin	.....	747
Derivative of glycerin	82,443	83,982
Diacetyl	63	58
Estearin	.....	11,506
Lecithin	61,822	56,182
Milk	8,515,911	7,778,960
Monostearin	58,389	32,910
Neutral lard	102,369	155,481
Oleo oil	114,630	303,652
Oleo stearin	117,552	298,563
Oleo stock	32,355	19,000
Peanut oil	809,200	1,723,401
Salt	1,614,785	1,382,948
Soda, benzoate of	36,468	29,237
Soybean oil	16,923,669	16,124,213
Soybean stearin	12,200	1,224
Tallow	.....	3,600
Vitamin concentrate	8,642	7,846
Total	51,482,490	46,543,928
Production of colored oleomargarin	9,651,350	[3]3,995,345
Withdrawn tax-paid	1,530,111	2,368,759
Used in Uncolored Margarin		
Butter flavor	23	22
Coconut oil[2]	6,187,749	.....
Color	4,508	2,366
Corn oil	2,683	67
Cottonseed oil	528,376	950,205
Derivative of glycerin	9,694	5,764
Diacetyl	173	9
Estearin	.....	555
Lecithin	6,539	1,784
Milk	1,585,198	634,786
Monostearin	3,411	2,235
Neutral lard	19,109	31,331
Oleo oil	9,554	40,961
Oleo stock	.....	17,600
Peanut oil	1,363	11,287
Salt	316,292	128,582
Soda, benzoate of	3,998	2,619
Soybean oil	1,143,527	2,203,372
Soybean stearin	2,400	.....
Vitamin concentrate	1,316	328
Total	9,825,911	4,033,873

[1] Of the amount produced, 16,834 pounds were reworked.

[2] Of the amount produced, 180 pounds were reworked.

[3] This oil used solely in oleomargarin manufactured for export by the United States.

ited to regular customers. Inquiry was active.

Baltimore, Dec. 18.—Menhaden fishing off the coast of North Carolina has been so poor for weeks that some of the boats have been laid up for the season. Any decided change in climatic conditions is likely to see all of the craft go out of commission. Meanwhile, no new orders for delivery of oil have been booked, with every likelihood that if the companies still engaged in fishing manage to fill all of the commitments they have assumed it will be a source of gratification for them. Quotations for crude oil are stabilized around 18c. to 19c. per pound, loose, works.

Sardine—Buying interest for crude oil continued keen, with business slow, owing to the sold-up production. Refined grades also were in light supply and firmly held.

Los Angeles, Dec. 18.—Demand for fish oil continues to exceed the supply. Landings are poor. Catch for the season to December 12 was 169,023 tons, compared with 350,724 tons last year.

Fatty Acids

Red Oil—Firm conditions feature this market and reflect the strength in tallow and greases. Inquiry was fairly active, with the output sold well ahead. Prices were unchanged and steady.

Stearic Acid—Production was sold up and offerings were confined to regular users. Prices were well held at former levels. Consuming inquiry was active for next year's needs.

Chicago, Dec. 19.—Inquiry was fairly active. Prices were:—Corn oil, double distilled, Chicago, nominal, 26½c. per pound, tankcars; 27¼c., drums, carlots; coconut oil, distilled, 29c., tankcars, 29½c., drums, carlots; cottonseed oil, double distilled, 28½c. per pound, tankcars; 29¼c., drums, carlots; settled cottonseed soap stock, 60-62 percent basis, 12c. to 13c.; boiled down soap stock, 65 percent basis, nominal, 14c. to 15c., drums; cottonseed foots, 50 percent basis, 8½c. to 9c., tankcars.

Cake and Meal

Cottonseed Meal—This market was firmer with demand somewhat better. Prices were about $5 per ton higher and 41 percent was quoted at $78 per ton for December, $77 for January, and $75 for February-April, f.o.b. Memphis. Crushers in the Southeast were holding at $85 per ton, with sales scattered.

Linseed Meal—Demand has improved and sales of good volume were transacted at $80 per ton, f.o.b. western mills for January-February shipment.

Minneapolis, Dec. 19.—Demand for meal improved considerably and some rather large bookings for January and February were chalked up at $80 per ton. Single carlots and round lots sold with equal ease during the week and the buyers seem to be taking hold in better shape.

Shipments of linseed meal, in pounds, were as follows:—

	1946-47	1945-46
This week	7,020,000	9,120,000
Since Sept. 1	123,920,000	163,080,000

Peanut Meal—Trading increased last week. Sales of 2,000 tons were reported at $70, f.o.b. Georgia mills, for December-March shipment. Fertilizer trade was the principal buyer.

Soybean Meal—This market was firm and prices were advanced from $3 to $5 per ton, according to delivery. Inquiry was active.

Waxes

Beeswax—Business was restricted to small lots for spot delivery. Prices were steady and reflected the firmness at primary centers.

Candelilla—Stocks on the spot were in better supply and closely held at current levels. Crude was quoted at 77c. to 79c. per pound and refined at 80c. to 82c. per pound, as to quantity.

Carnauba—Prices on the spot were lower, declining about 2c. per pound, and reflected the slight easing of the Brazilian market. Shipments from Brazil were reported light at the decline. Trading was moderate and mainly for limited quantities on the spot. No. 3, North country, was reduced to $1.62 and $1.64 per pound; No. 2, North country, to $1.66 and $1.68 per pound, and refined, to $1.71 and $1.73, as to quantity, for spot delivery.

Montan—Reduced supplies here and the small prospect of getting replacements from producing centers kept this market firm last week. Stocks on spot were held at 54c. to 55c. per pound. Export demand has been active of late.

Ouricury—Trading was reported light and spotty. Prices were unchanged for spot delivery.

Stein, Hall Appoints Lipman Assistant Manager

Daniel H. Lipman, assistant manager of the main office of Stein, Hall & Co., New York, has been appointed assistant general sales manager of the firm. Mr. Lipman joined the company in 1938 and was appointed assistant manager of the New York office upon his discharge from the navy in 1945.

Wm. Diehl & Co.
CANDELILLA WAX
CARNAUBA WAX
High M. P. Substitute
GENUINE MONTANWAX
OURICURY WAX
SHELLAC Orange Bleached
332 W. 42nd St., New York 18, N.Y.
Phone: BRyant 9-5211

E. A. BROMUND COMPANY
Beeswax
Carnauba Wax
Ceresine Wax
Ouricury Wax
258 BROADWAY, New York 7, N.Y.
BArclay 7-8445 Est. 1880

NEW
HIGH MELTING MICRO-CRYSTALLINE PETROLEUM WAXES in *POWDER FORM*
We will custom powder waxes of vegetable and animal origin in quantities of 10 tons and up
INDUSTRIAL RAW MATERIALS CO.
52 WALL ST. NEW YORK 5, N.Y.
WHitehall 4-0710-1-2

AKUSAKA WAX
replacement for Japan Wax
CORUMBU WAX
replacement for Carnauba Wax
T. G. COOPER & COMPANY, INC.
2400 East Venango St. Philadelphia 34, Pa.

OPD—12-23-1946 77

Petrolite
CROWN 1035
HIGHLY-REFINED MICRO-CRYSTALLINE PETROLEUM WAX
Melting Point ASTM 195° *Minimum* ★ Penetration (100 grams) 2 *Maximum*
Color 2 to 2½ N.P.A. ★ Acid Number: Nil ★ Saponification Number: Nil
For specifications and information on all Petrolite Waxes, write to:
PETROLITE *Crown Quality* WAX
PETROLITE CORPORATION, LTD. ★ WAX DIVISION
29 Broadway, New York 6, New York ★ Refinery, box 390, Kilgore, Texas

KOSTER KEUNEN
BEESWAX
MICRO-CRYSTALLINE PETROLEUM WAXES
CERESINE • • OZOKERITE
SPECIAL WAX BLENDS
Office and Refinery: SAYVILLE, N. Y. Phone: Sayville 400

LAURIC ACID
MYRISTIC ACID
CAPRYLIC ACID
CAPRIC ACID
ALL 90% or BETTER in PURITY
Our regular lines of crude and semi-refined coconut oil in tank car or drum quantities are now supplemented by these fatty acids, the result of over half a century of experience and research in the largest coconut oil mill in the country.
These exceptionally pure coconut oil fatty acids are now being produced in limited quantities. Your inquiries are invited.
EL DORADO OIL WORKS
311 CALIFORNIA STREET, SAN FRANCISCO, CALIF.

Season's Greetings

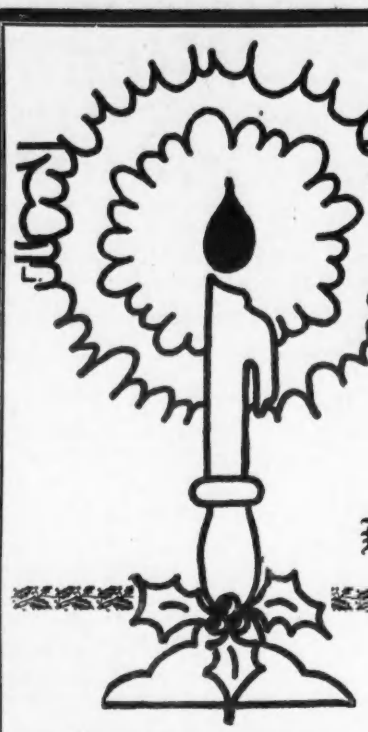
Each passing year brings greater pride in the friendly contacts and pleasant relations we enjoy during the course of business. That is why it is a pleasure, at this holiday time, to express to you our appreciation as we wish our friends all the happiness of Christmas and a prosperous, successful New Year.

FMC

Fred R. Firstenberg
President

Please turn to pages 17 and 18

FIRST MACHINERY CORP.
157 Hudson Street, New York 13, N. Y.



As for the past 30 years . . .

"Consolidated"

Sends Season's Greetings and
Best Wishes For Peace and Prosperity

SPECIAL ITEMS FROM STOCK

VACUUM PUMPS

3—DRY VACUUM PUMPS, Ingersoll-Rand, 1048 CFM, each 17"x 10", Duplex, with belt idlers for short drive.

GEAR REDUCERS and MIXERS

41—Phila. type HVT, Class 1, size 1100, GEAR REDUCERS, ratio 88 to 1, horsepower 16.7 at 1750 RPM.

39—Phila. MOTO-REDUCERS, with 2 HP 2 speed, totally enclosed, fan cooled and explosion-proof motors. Vertical; Output speed 87 and 29 RPM at HP 2/.67.

18—150 gallon STAINLESS STEEL TANKS.

VACUUM PANS
(All Copper)

1—18"x48" exp., with Agitator.
1—40 gal. Burkhard, Coils and jacket.
1—150 gal. 36"x24", jacketed, agitated, with Condenser, catch-all, Vacuum Pump.
1—125 gal. 30"x30", jacketed with condenser.
1—250 gal. 40"x37", jacketed with condenser.

2—20"x48" water cooled 3-ROLLER MILL.

TABLET MACHINES

2—Stokes RD-4 Rotary 16 punch, maximum 1" dia.
4—Stokes "R" single punch, maximum 2-½" dia.
4—Stokes "F" single punch, maximum ¾" dia.
1—Stokes "N" single punch, maximum ½" dia.

VACUUM FILLING LINE

1—K. K. 8 stem Rotary Vacuum FILLER.
1—K. K. 20' steel CONVEYOR BELT, 4" wide.
1—CAPEM sgl. head CAPPER with auto. CAP FEED.
1—WEEKS automatic straight line LABELLER.

HYDRAULIC PUMPS

Aldridge Pump Co. Vertical Triplex HYDRAULIC PUMPS equipped with Herringbone Gears, 2¾" x 8", 67.5 gpm. Maximum pressure for intermittent duty 2,200 lbs., for continuous duty 1,800 lbs. Pump and motor mounted on common bed plate. Motors are 75 HP, 3/60/220-440 volts, 740 RPM. Complete with starting panel, consisting of G. E. motorstarter switch, push button control, square "D" Switch, and capacitator. These pumps were purchased new 3½ years ago. Excellent condition. Available for immediate delivery.

BAKER PERKINS MIXER

1—NEW, UNUSED BAKER PERKINS 150 gal. capacity, 100 gal. working capacity' MIXER, equipped with double sigma blades, steam jacketed, SIZE 15, STYLE VI, TYPE BS, equipped with Hydraulic tilting device, roller bearings throughout.

ALUMINUM
VACUUM STILLS, KETTLES, TANKS

4—Steam Jack. KETTLES, 50, 60 and 80 gal.
26—Closed STORAGE TANKS, rectangular shaped, 73"x34"x60", 700 gal. capacity.
26—Closed STORAGE TANKS rectangular shaped, 56"x46"x72", 800 gal. capacity.
2—Closed Jack. agitated Kettles with coils; 1—1,200 gal., 1—900 gal.
1—1,200 gal. closed jack. Kettle or Vacuum Still.
3—Closed jack. agitated Kettles or Vacuum Stills.
1—250 gal. closed jack. agit. Kettle.
9—250 GAL. NEW CLOSED HORIZONTAL STORAGE TANKS, OVAL SHAPED, APPROX. 46" AND 28" BY 61" LONG, 18" ROUND MANHOLE IN TOP, ¼" PLATE.

1—Stokes No. 2 gear type TUBE FILLER.
1—Colton No. 2 worm type TUBE FILLER.
1—Stokes TUBE CLOSER & CLIPPER.
1—Colton No. 3 TUBE CLOSER and CLIP FASTENER.
1—Colton No. 5T TUBE FILLER, max. 1½" dia. x 8" long, m.d.

DRYERS

2—A. N. 4' dia. x 9' long atmospheric double drum dryers complete.
1—B. & C. 28" dia. x 60" face Atmospheric DOUBLE DRUM DRYER complete.
2—Direct heat ROTARY DRYERS; 5'x30', 6'x35'.
6—ROTARY VACUUM DRYERS; 1—Devine, 5'x30'; 3—Devine, 4'x25'; 1—Devine, 4'x30'; 1—Struthers Wells, 30"x12'.
1—6'x35' Louisville Direct Heat single shell Rotary Dryer.
1—8'x50' Direct Heat Rotary Dryer, double shell.
1—4'x20' Ruggles-Coles Indirect Heat Rotary Dryer.
2—4'x20' ROTARY KILNS or ROTARY DRYERS, Ruggles-Coles, geared-head, motor drive.

MISCELLANEOUS

1—6'x6' OLIVER FILTER UNIT, complete.
2—Stokes & Smith AUGER-type FILLERS.
1—Gedge Gray 500-lb. DRY POWDER MIXER.
3—J. H. Day, Size D, 600-lb. DRY POWDER MIXER, M.D.
2—450 gal. copper steam jacketed KETTLES.
1—ROTEX SCREEN, 40"x84".
6—350 gal. Sowers-Dopp Jack. Agitated Kettles.
12—150 gal. Sowers-Dopp steam Jack. Kettles.
1—250 gal. Copper Jack. agit. closed Kettle or Vac. Still.
1—World straightaway automatic LABELER, M.D.
3—Weeks McDonald straight line fully automatic LABELERS motor driven.
8—World and Ermold semi-automatic LABELING Machines.
10—Copper & Aluminum KETTLES to 500 gal. cap.
1—K.K. 12"x12" bronze FILTER PRESS, plated frame.
3—Day size "D," 600 lb. Dry POWDER MIXERS.
2—Copper steam jacketed agitated KETTLES, 1—54" dia. x 42" deep, 300 gals.; 1—36" dia. x 31" deep, 70 gals.
1—Dopp 500 gallon cast iron jacketed KETTLE.
1—J. H. Day auger POWDER FILLER.
2—Stokes No. 15 auger POWDER FILLERS.
2—Colton No. 8 TOGGLE Globule PRESSES, for making capsules.
6—250 gal. closed GLASS-LINED TANKS.
1—Pneumatic Scale six head Capping Machine.
Approximately 300 feet of STEEL BALL BEARING ROLLER CONVEYOR, from 17 to 32" widths.

WANTED—
YOUR IDLE MACHINES
Help Create those JOBS. Send your list NOW to "CONSOLIDATED"

THE KEY TO SAVING TIME AND MONEY
FOR OVER A QUARTER CENTURY A SYMBOL OF CONFIDENCE
CONSOLIDATED PRODUCTS COMPANY, INC.

WE BUY
FROM SINGLE ITEMS TO COMPLETE PLANTS
"Every Machine in Your Plant is a Used Machine"

13-18 PARK ROW, NEW YORK 7, N. Y.—TEL. BArclay 7-0600

Shops: 335 Doremus Ave., Newark, N. J. Cable Address: Equipment, N. Y.

WE OWN

1—Buffalo Vacuum Shelf Dryer, with 14 60"x80" shelves.
1—Lab. Devine Vacuum Shelf Dryer, with condenser.
4—Rotary Vacuum Dryers, 1½'x 3½', 30"x8', 4'x10', 5'x33'.
2—Rotary Steam Tube Dryers, 6'x27'6", 6'x25'.
3—Buflovak Vacuum Drum Dryers, 24"x20", 48"x40", 5'x6'.
6—Rotary Dryers, 6'x18', 4¼'x28', 6'x35', 5½'x40', 7½'x65', 10'x80'
1—7½'x130' Rotary Kiln.

JUST PURCHASED!

1—Pneumatic Scale, 8 Spout Bottle Filler with Single Head Automatic Capper.
2—32" C.I. Plate & Frame Filter Presses, 30 Chambers.
4—36" C.I. Plate & Frame Filter Presses, 44 Chambers.
6—30"x30" C.I. Recessed Filter Presses, 36 Chambers.
1—Lehman 4 Roll High Speed Mill, 18"x32".
1—Kent 3-Roll Mill, 12" x 30".
1—Colton No. 2 Combination Filler, Closer & Crimper.
2—No. 10 Sweetland Filters.
2—Alsop Sealed Disc Filters.
9—Gyro Sifters, 20"x48".
10—1000 and 2000-lb. Powder Mixers, NEW.
6—Baker Perkins and Readco 100 gal. Jacketed, Heavy Duty, Double-Arm Mixers.
7—Duriron & Lead Centrifugal Pumps, 1" to 8".

2—Lehmann 5 Roll Roller Mills, 20"x48".
1—100 gal. Pebble Mill.
1—Abbe ½ gal., 10 Jar Mill, motor driven.
1—Schutz O'Neill 16" Ball Bearing Style "D" Limited Mill.
1—Hardinge Ball Mill, 2'x8".
1—Williams No. 1 Hammer Mill.
1—Day 18" Ointment Mill.
2—Abbe Blutergess Sifters.

1—No. 180 Kelly Pressure Filter.
2—Vallez Filters, Lab. & No. 49.
2—American 4' 4 Disc and 6' 2 Disc Rotary Continuous Filters.
6—Oliver 8'x0' Rotary Hopper Dewaterers, New.
2—Oliver Filters, 8'x12'.
6—Shriver, Sperry Filter Presses. 12", 18", 24", 30", 32", 36".
5—Shriver Wood Filter Press Skeletons, 18" to 42".

4—Sharples No. 6 Centrifuges.
2—De Laval No. 600, 700 Clarifiers.
1—American Tool 40" Centrifugal, direct Motor driven, perforated basket, 1200 RPM.
5—Tolhurst 32", 40", 48" Self-Balancing Type Centrifugals.

11—Stainless Steel Jacketed Kettles, 60, 80, 100, 150, 300 gal. New.
10—Brand New Stainless Steel Tanks, 100, 200, 300, 500 gal.
6—Pfaudler Jktd. Agtd. Kettles, 100, 125, 200 gal.
2—60 and 125 gal. Alum. Jktd. Kettles.
10—Copper Jktd. Kettles, 25 to 150 gal., some agitated.
8—Steel Jktd. Kettles, 375 to 1,200 gal., some agitated.
1—60 gal. Cast Semi-Steel Autoclave, agitated, 3" wall.
1—Zaremba Copper Evaporator, 500 sq. ft. vert. tubes.
5—Copper and Steel Vacuum Pans, 2', 4', 6', 7'.
5—Evaporators, single to quadruple effect, 500 to 10,000 sq. ft.

TABLET MACHINES

6—Stokes "T," 1¼".
8—Stokes "R," 2½".
1—Stokes Rotary DD82, 1 7/16".
10—Stokes Rotary D4, 31/32".
2—Kux, 2½" to 4".
3—Colton Rotary, ¾".
1—Mulford Single Punch, 1¼".
6—Stokes "F," ¾".
5—Colton Single Punch, ¾".
All the above practically new, ready for prompt shipment.

1—Day 600 lb. Powder Mixer.
1—Day No. 10 Imperial Double Arm Jacketed Mixer.
5—Day, W. & P. Readco Double Arm Mixers, ½ to 100 gal.
1—Readco 4 gal. Stainless Steel, Double-Arm Mixer.

3—Stokes and Smith auger type powder fillers.
1—Colton No. 2 Combination Filler, Closer & Crimper.
2—Burt Automatic Can Labelers.
1—Filler Machine 4 Spout Filler.
1—Karl Kiefer Visco Piston Type Filler, motor driven.
5—World, National Labelers.
10—12" Belt Conveyors, 20 to 50 centers, built to specifications
7—Bucket Elevators, from 12' to 50' high, steel housing
1—Schaeffer Poidometer, 20"x4'.

Send for Complete Bulletins. We buy your surplus equipment.

BRILL
Equipment Co.
225 WEST 34th STREET
NEW YORK 1, N.Y.
BRyant 9-2040

1—No. 0000 Raymond Pulverizer, with 10 h. p. motor—Mechanical air separator with 2 h. p. motor—Cyclone Collector — Tubular Dust Collector—Necessary ducts and supporting structural steel—Current 220 volt—3 phase—60 cycle.

1—Stokes & Smith single unit gross weight scale with auger and funnel.

1—CECO Adjustable Carton Glue Sealing Machine. In excellent condition.

EMSCO EQUIPMENT COMPANY
EMIL A. SCHROTH, Owner
41 HYATT AVE., NEWARK 5, N. J.
Phone: Mitchell 2-3536

10—Sperry 32" Iron Filter Presses.
14—Tolhurst 40" Suspended Type Centrifugals, Motor Driven, Bottom Discharge.

2—Stokes RD4 Rotary Tablet Machines, 16 die openings 1 3/16" dia.
11—Sharples No. 5A Stainless Oil Purifiers, latest type, 2 H.P., Motor Driven.
1—Chrystie 80'x45' Rotary Dryer.
3—Oliver Rotary Vac. Filters, 8'x 10' and 5'x6'.
2—Dorr 15' Bowl Classifiers.
1—Hardinge 3'x8' Conical Ball Mill.
1—Gayco 3' Centrif. Air Separator.
1—Sturtevant 36" Rock Emery Mill.
1—W. & P. 9 gal. Double Arm Mixer, 2 H.P. Motor.
1—Sharples No. 6 Centrifuge, 2 H.P.
4—Pfaudler Glass lined, jacketed, agitated Kettles, 350 & 400 gals.
10—Stainless steel, jacketed Kettles, new & used, 40, 60, 80 & 375 gals., some agitated.
4—Aluminum jack. Kettles, 60, 80 & 100 gals.
18—Copper jack. Kettles, 2, 20, 50, 75, 100, 250 & 350 gals., some agitated.
1—Stokes ½" Eureka Tablet Machine.
1—Hammer Mill, 7½ H.P.
1—Williams No. 3 "Regular" type Hammer Mill.
1—Stedman 32" Single Roll Crusher.
1—Jeffrey No. 4 Single Deck Conveyor Screen.
25—New Stainless Steel Tanks, 100 to 1,000 gals.
2—6 spt. gravity Bottle Fillers.
New Water Stills, Gas and Elec.
New 40 gal. Pony Mixers.
4—Day Pot Mills, 24"x32" dia.
12—Filter Presses, Iron, Wood and Rubber, 18" to 42" sq.
4—Centrifugals, 20", 26" & 40".
4—No. 0000 and No. 0 Raymond Mills.
10—Closed steel Vac. Kettles & Stills, up to 1,000 gals.
12—Vert. jack. agit. Kettles & Autoclaves to 1,500 gals.
2—250 & 1,500 gal. lead lined Kettles.
1—700 gal. steel, copper lined vac. Filter Tank.
1—Dopp 50 gal. jacketed Kettle.
15—50 gal. steel Mixing Tanks.
1—Blystone 2,000 lb. horiz. Spiral & Paddles Steel Mixer.
6—Horiz. Mixers, 20 to 250 gal., single & double arm.
1—Faust 150 gal. Spiral Mixer.
2—Devine Horiz. Vac. Pumps, 8"x 6"x4"x6".
2—Worthington 12"x12"x12" Vac. Pumps.
1—National Acme Model C20 stainless steel Centrifuge.
2—DeLaval Multiple Clarifiers, 300 & 301.
2—Rotary Screens, 18"x72".
6—Attrition Mills & Disc Grinders, up to 22".
1—Double Stand Steel 4-Roller Mill, 7"x20".
10—Iron Mills, 12", 14" & 18".
8—Stone Mills, 8" to 32".
6—Lead & Paste Mixers to 72 gals.
3—Varnish Kettles, 200 gals.
25—Steel & Wood Tanks, up to 4,000 gals.
1—Shutz-O'Neill 20" Pulverizer.
2—Double Roll Crushers.
300 ft. 12" Roller Conveyor.
10—Electric Agitators, ¼ to 2 H.P.
20—Rotary, Centrif. & Triplex Pumps.
6—Gas Boilers, up to 10 H.P.

APPROVED DEALER
WAR ASSETS CORP.
Write for Complete Bulletins
We Buy Your Surplus Machinery

STEIN EQUIPMENT COMPANY
Department E
426 BROOME ST., NEW YORK 13, N. Y.
CANAL 6-8147

IMMEDIATE DELIVERY

1—Devine 4 shelf Vacuum Dryer, 28"x28".
3—Kent 3 roll mills—water cooled.
3—Mikro Pulverizers.
2—12" x 12" Lead - Lined filter presses — complete with diaphragm, pump and motor.
2—Jones Cartoning Machines, ½ to 8 oz.
2—M&S 4 and 6 pocket fillers.
3—Powder mixers—100 to 400 lb.
5—K.K. & U.S. Bottle Rinsers.

10—NEW VACUUM FILLERS.
5—NEW 1,000 LB. MIXERS.
10—NEW NO. 20 HAMMER-MILLS.
20—NEW S. S. TANKS AND KETTLES, 30 TO 200 GALLONS.
10—S. S. SYPHON FILLERS.

2—Charlotte S. S. Colloid Mills, 30 & 50 H.P.
1—Read 77 gal. Jacketed mixer.
1—40 gallon Pony Mixer.
3—W&P jacketed mixers—2.25 gal.
1—Shriver 24"x24" Rubber Covered Filter Press.
3—Karl Kiefer Gravity Fillers.
3—MacLellan Batch Mixers, O.S.

Send for Our Latest Bulletin No. 1046

Chemical & Process Machinery Corp.
146-8 Grand Street New York 13, N.Y.
Tel WOrth 4-8130

LIQUIDATION!

TANKS

4—James Hunter Saturating Tanks, rubber lined.
1—5,000 Gallon Steel Storage Tank.
4—8,000 Gallon Steel Pressure Tanks.

1—500 Gallon Devine High Pressure Autoclave.
4—H&T Water Filters, 8' x 20'.
3—Turbo Generators, from 400 KW to 2750 KW.
75—Ton Cast Iron Pipe 8" to 18".
4—High Pressure Water Tube Boilers from 250 HP to 660 HP.
1—Worthington Steam Pump 14x14x10, brass fitted Bristol Counter.
1—Worthington Steam Pump 14x19x15, iron fitted.
1—Paterson Silex Lined Pebble Mill.
1—General Electric Flow Meter, Type F-12.

***Republic* TEXTILE EQUIPMENT COMPANY**
40 Worth Street, New York 13, N. Y
Phone: COrtlandt 7-1591

GUARANTEED

1—ROSS Heavy Duty 20 Gal. Pony Mixer.
1—Pneumatic Scale 6 Head Auto. Screw Capper.
1—CAPEM Automatic 4 Head Screw Capper.
6—COPPER COATING PANS, 24"-30"-38".
5—DRYERS—Atmospheric Double Drum, 22"x38".
1—PFAUDLER S.S. 6,000 Gal. Jacketed Tank.
4—RAYMOND 8" PULVERIZERS with Explosion-Proof Motors.
1—"AMPFIL" Ampule Filling Machine.
1—Standard Automatic 10 Stem Vacuum Filler.
1—WORLD Automatic Duplex Labeler.
20—NEW Stainless Steel Tanks, 60-100-200 Gal.
27—JACKETED KETTLES—Alum., Copper, S.S. & Nickel, 20 to 500 Gal.
4—PFAUDLER Glass Lined Jacketed Kettles, 100 and 250 Gal.
1—ROTEX Sifter, 20"x48". Screen.
9—Single Punch & Rotary Tablet Machines for ¼" to 1¼".

SEND FOR OUR BULLETIN A-12
WHAT HAVE YOU FOR SALE?

MACHINERY & EQUIPMENT CORPORATION (of N.Y.)
533 West Broadway New York 12, N.Y.
GRamercy 5-6689

EQUIPMENT FOR CHEMICAL AND ALLIED INDUSTRIES

4—Pfaudler, Stainless Steel Tanks, 132"x223", steel jacketed for hot or cold water, 13,500 gals.

1—Stainless steel, jacketed kettle, 5'x7'.
1—Stainless steel kettle, 55 gals.
1—Stainless steel storage tank, 3,800 gals.
1—Stainless steel tank, 100 gals.
1—Durlon Heat Exchanger, No. 12H.
1—Pfaudler, glass lined storage tank, 2,000 gals.
1—Baker Perkins, Stainless steel jacketed mixer, 50 gals.
1—Readco, jacketed shredder, 100 gals.
2—Readco, jacketed mixers, 100 gals.

R. GELB & SONS, INC.
UNION, N.J.
Est. 1886 UNionville 2-4900

FOR SALE

Stainless Steel Tanks, new, 100 and 200 gal., dished bottoms with stands.
9—New Stainless Steel Jacketed Kettles, 30 and 40 gals. capacity; 2 100 gal.
1—Stedman 40" Cage Disintegrator.
Stainless Steel Vert. Tank, 7' dia. x 10', No. 430 Chrome.
New Elec. Immersion Heaters, stainless, 500 watt, 115 volt, $15.00 each.
Copper Tank with Agitator and Coil, 60" dia. x 7' high.
1—International Centrifuge, size 3, type FS, stainless steel with motor.
1—DeLaval Lab. Separator with ½ H.P. motor.
1—18 spout Karl Kiefer Rotary Filler.
10—New Sharples Oil Purifiers.
6—DeLaval Imo Pumps, 2" sue., 2" disch. (new).
6—Stokes Rotary Tablet Machines, Model RD-4.
6—New Clevon Can Filling Machines.

SPECIAL
10—Steel Storage Tanks, 24' dia. x 20' high, with closed tops

H. LOEB & SON
4643 LANCASTER AVENUE **PHILADELPHIA 31, PA.**

AMMONIA COMPRESSORS

6—4" x 4" Frick Ammonia Compressors, 2 cylinder, vertical, single acting, type-G, complete with V-Belt drive, 10 H.P. 220/440 volt, 3 phase, 60 cycle, 1745 RPM motor.

AGITATORS

12—New Patterson Agitators, 1 H.P., 3 phase, 60 cycle, 1200 RPM motor, complete with 60" type 316 stainless steel shafts and gear reducers, 400 RPM output.

WATER STORAGE TOWER

1—100,000 gallon water tank mounted on 125' structural steel frame, complete with stand pipe and ladders.

MILL

1—30 x 24 Jeffrey Hammer Mill, type A.

TANKS

4—24' dia. x 20' high x 5/16" steel Horton vertical tanks. Riveted construction in three sections.
Horizontal Steel Storage Tanks from 1,000 to 20,000 gallon capacity. 5/16" and ¼" plate, dished heads, welded construction. New 1942.

DRYER

1—5' x 30' Ruggles Cole double shell dryer, type A.

WARMING TANKS

8—4,915 gallon Vertical Warming Tanks 9'6" x 8', straight side. 5/16" thick, low carbon steel welded and stress relieved. Dished bottom 22¾". Flanged, bolted dished head 19¾", test pressure 60 lbs., 2" coil, 7' diameter, 5½' high inside the bottom of tank.
Complete with 5 H.P., 3/60/220/440 volt, T.E.F.C. motor, direct connected to Philadelphia gear reducer, with carbon steel Agitator.

3—AMMONIA OR HIGH PRESSURE STORAGE TANKS—LIKE NEW

7'11" I.D. x 39' 5¾" long, shell 1-3/32", heads 1". Constructed according to ASME Code U69. 200 lb. W.P., 400 lb. hydrostatic test. Fitted with bayonet heater. New 1942.

HEAT AND POWER CO., Inc.
70 PINE STEET **NEW YORK 5, N. Y.**
Phone: WHitehall 3-2172

Business Wants and Offers

RATES PER INSERTION—PAYABLE IN ADVANCE

Positions Vacant and Positions Wanted—Minimum $2.00, thirty-six words or less; 35c for each additional six words.

All Other Classified Advertisements—$5.00 thirty-six words or less; 85c for each additional six word or fraction.

AGENCIES WANTED

Established exporters desire exclusive agency, paints, varnishes and accessories —Latin-America, Europe, Australia, Middle and Far East. Will also purchase for own account. Address OPD 307.

We are interested in assuming exclusive agencies of prominent American firms in the chemical and pharmaceutical line for the Scandinavian countries. Internationalia Handels & Fabriks AB INFA Drottninggatan 50-52, Stockholm, Sweden. Cable address: INTERINFA, Stockholm.

EQUIPMENT OFFERED

For sale: power driven steam jacketed cooking kettle. 400 gallons capacity, 60 in. diameter, 42 in. deep, 3 in. draw off. Single action stirrer. Lately tested to 125 lbs. hydrostatic pressure. Complete as is. Wallace & Co., 460 Smith Street, Brooklyn 31, N. Y. Att: L. Sadin.

EQUIPMENT WANTED

Complete soap drying and flaking machinery wanted. OPD 302.

FACILITIES OFFERED

Wide variety of liquid mixtures recovered at nominal cost for drum and tank car lots. We handle simple and difficultly-separable mixtures. We are also interested in purchase of all types of crude mixtures. Inquiries solicited. All replies treated in strictest confidence. OPD 283.

FOR SALE

10,000 lbs. tannic acid in drums. OPD 311.

217,000 shoe polish 1.7502 cans lithographed well known trade name, also 7 sealed 5 gal. cans, Magnus, Mabee & Reynard perfume oil bouquet B.L.S. Bootone Polish Co., Box 278, Lindenhurst, N. Y.

MATERIALS OFFERED

For sale: 500,000 pounds of sweet German rapeseed. Will sell the whole lot or any part thereof. Write direct to Joseph Caplan, Weldon, Saskatchewan, Canada.

For sale: excess inventory—7 drums quinaldine; 2 drums quinoline. Reasonably priced to move quickly. OPD 290.

Will trade paint industry raw materials. We offer refined glycerine, formaldehyde, maleic anhydride, tall oil, amberol 801P resin, alkyds of known brands, new 55-gallon oil type drums, zinar and 5-gallon cans. Our No. 1 choice is titanium dioxide. Second choice other white hiding pigments. Will also consider pentaerythritol and phthalic anhydride. Wire or mail reply: attention president, this box number. We will contact you by phone. OPD 292.

Rutyl titanium dioxide available for delivery in January 1947. OPD 306.

MATERIALS WANTED

Paint manufacturer willing to pay premium prices for titanium pigments, lithopone, zinc sulfide, or any other white hiding pigment. All replies will be held confidential. OPD 293.

To manufacturers and jobbers: Are you overstocked? We require immediately large or small lots, many items, chemicals, pharmaceuticals, solvents, aromatics, waxes, other supplies. Submit offerings at once. Correspondence treated confidentially. OPD 276.

POSITIONS VACANT

Wanted: experienced scientifically educated assistant superintendent for large soya bean oil mill. Salary, $4,500 per year to begin with; steady increases to be made if services warrant. Candidate must be of good character, energetic and well trained in expeller operations. Wire application and confirm by special delivery letter. OPD 259.

Wanted: chemist, experienced to take complete charge of technical control, development, and formulation of paints, varnishes, and enamels; dealer and industrial trade. Give personal data, detailed experience and salary expected. Varcraft Works, Inc., Pottstown, Pa.

Wanted: chemist with experience in emulsions and resins—coatings and adhesives. Plant in country adjacent to New York City. Small concern offering attractive opportunity. OPD 304.

POSITIONS VACANT

Reputable manufacturer of high grade floor maintenance materials desires factory representatives to cover: 1—the southwestern territory including Louisiana, Texas, Oklahoma, New Mexico and 2—the eastern territory, on straight commission basis. Substantial volume of sales are now on the books in these territories. We desire men with experience in the paint, varnish and lacquer industries, of good character, with good sales records. Confidential correspondence and personal interviews solicited. Location, southern New England. OPD 282.

A leading manufacturer of perfume aromatics and cosmetic specialties has opening for ambitious and experienced sales representative who is looking for wider and more profitable field for his selling ability. Chemical background desirable. Replies, which should be in detail, will be held in entire confidence. Write OPD 308.

Understudy to vegetable oil trader, domestic and foreign. Previous knowledge of vegetable oils and import routine preferable but not essential. Write stating age, background, experience, salary desired. OPD 310.

Sales manager for small manufacturer of pharmaceuticals in Midwest. Must be experienced in selling to dispensing doctors as well as detailing to prescribers. Give complete resume of education and experience, as well as age and other personal data, in reply. OPD 312.

Chemist—experienced in formulating for pyroxylin and vinyl coatings. Excellent opportunity. State age, education and experience. OPD 314.

POSITIONS WANTED

Available immediately: a man of wide and diversified experience, domestic and export; 25 years successful association with chemical industry offers services as sales manager or kindred administrative responsibility. Impeccable references. Confidential personal interview solicited. Location, New York City. OPD 298.

Employers: for executive, sales, production, research, development and control personnel in the chemical process industries call Chemical Department, Position Securing Bureau, Inc. (Agency) 45 John Street, New York City. Telephone COrtlandt 7-9650. Confidential and careful placements.

For general management of medium-size drug manufacturing firm: young man with excellent administrative and technical background and 10 years commercial experience. Available sometime after February 1st. OPD 301.

Experienced industrial chemical and paint salesman, with large clientele in three Pacific Coast states, seeking connection with manufacturer ready to open this territory. Good references, can travel. OPD 303.

Experienced industrial chemist, Ph.D., 36 available at once. 11 years in the fields of organic chemicals, surface active agents, emulsions, resins (alkyds), plasticizers, coatings. OPD 305.

SERVICES OFFERED

New and modern equipment for quantity tube filling, also powder and liquids; the production of all types of tablets, expert coating. Two research laboratories, to handle all phases of chemical and biological assays, testing of materials, etc. Contract work a specialty. Lanteen Medical Laboratories, Inc., 900 N. Franklin street, Chicago 10, Ill.

Permutit Co. Elects Four Vice-Presidents

Permutit Company, equipment manufacturer, New York, recently announced the promotion of four executives to vice-president. Those advanced were:—J. D. Woder, manager of the boiler feedwater division; D. J. Saunders, manager of industrial sales; G. N. Proctor, manager of manufacturing; and H. L. Mechner, technical manager.

FOR SALE

1—Buffalo Atmospheric Double Drum Drier, 32" dia. x 52" long.
1—Swenson-Walker Crystallizer, 9 Sections, 24" x 20" x 10' ea., Jacket & Ribbon Agitator.
1—Houck Mfg. Co. Corking Machine Model CW-38.
2—Pneumatic Scale 6-Head Automatic Cappers.
1—Meyer 8-Wide Automatic Soaker.
4—Sperry Filter Press Skeletons, 32" & 24".
11—Stainless Steel Tanks, 6 Gals.
27—Pot Filters, Stainless Steel.
1—J. H. Day Paint Mill, Harris 000.
5—Stainless Steel Steam Jacketed Kettles, 100 Gals.
1—N. J. Automatic Labeler, Front & Back.
1—World Straightline Automatic Labeler.
1—Standard Knapp No. 429 Gluer & Compression Unit.
5—100 Gallon Glass-Lined Storage Tanks.
2—Steel Mixing Tanks, 9½' dia. x 9' Deep, Fully Jacketed & Agitated.
5—Iron Kettles, 100 Gals., Jacketed & Agitated, 34" x 34".
1—Jewell 250 GPH Water Still.
1—Nash Rotary Vacuum Pump, size H-6.
1—Barnstead Solvent Recovery Still.
1—Duriron Centrifugal Belt Driven Pump, 4" x 32".
2—New Copper Tanks, 1,000 Gals.
2—New Stainless Steel Tanks, 2,500 Gals.
2—American Well Works Downie Stainless Steel Pumps, 8".
2—Ingersoll Rand Bronze Centrifugal Pumps. Model 1½RVH.
2—Stainless Steel Jacketed & Agitated 1,400 Gallon Tanks.
10—Stokes Co. Rotary Tablet Presses.
2—Sharples No. 6 Pressuretite Centrifuges.
4—Rotary Automatic Labelers, World & Liquid O & J.
12—Semi Automatic Labelers, World, Ermold & National.
2—Island Equipment Co. Bottle Unscramblers & Feeding Table.
5—Pneumatic Scale Co. Inverted Bottle Cleaners.
1—Zahm & Nagel 24" All Bronze Filter Press.
1—Kelley Filter Press, 20 x 36.
1—Bowser Leaf Filter.
2—LaVal Master Model Stone Filters, 0.5 GPM and 5 GPM.
2—Karl Kiefer 6 Spout Syphon Fillers.
1—Copper Coil Vacuum Pan, 14'.
2—Belt Conveyors, 6" wide, 117'6" c. to c.
1—Colton Rotary Clipper & Closer, No. 2.

NEW EQUIPMENT

Stainless Steel Storage & Mixing Tanks.
Pumps, Centrifugal & Rotary.
Conveyors, Solid Roller & Skatewheel.
Industrial Pressure Leaf Filters.
Stainless Steel Steam Jacketed Kettles.
Piston, Vacuum & Syphon Fillers.

WE PURCHASE YOUR USED AND IDLE EQUIPMENT. LIQUIDATION OF PLANTS OUR SPECIALTY.

WRITE FOR LATEST STOCK LIST

PERRY EQUIPMENT CORP.
1607 W. THOMPSON STREET • PHILA. 21, PA.

FOR SALE

5—Stain. Steel Kettles: 40, 60, 200 gal.
1—Tolhurst 40" laundry Centrifugal.
1—No. 10 Day Imperial Mixer.
5—(New) 250 gal. closed Aluminum Tanks.
1—Kinney rotary Pump, 2½x3", 10 hp.
2—Packomatic Powder Fillers also Sealers.
2—Day auger Powder Fillers.
20—2" stain. steel Angle Valves.
1—Broughton 16 cu. ft. Mixer.
1—U. S. 10-spout hard rubber Filler.
1—No. 600 De Laval Clarifier.
1—Elmes 3-piston Hydraulic pump, 5 hp.
1—Austin-Western No. 3 Gyratory Crusher.
4—Water Stills: 10 and 25 G.P.H.
1—300 gal. Jac. sg. Glass-lined Tank.
2—20" Attrition Mills, 15 hp. motors.
1—Revelvator elec. Hoist, 800 lbs., 16' lift.

What equipment have you for sale?

LOEB EQUIPMENT SUPPLY CO.
909 N. Marshfield Ave.; Chicago 22, Ill.

WANTED

for December delivery
in quantities up to
15 drums:

Dibutyl Phthalate
Dioctyl Phthalate
Tricresyl Phosphate

Write Box 309
Oil, Paint & Drug Reporter

Will Buy

surplus lots
new or used

Steel Drums

NEWARK STEEL DRUM CO.
LINDEN, N. J.
C. J. Colville, Pres. Linden 2-4466

GET MORE FOR YOUR SURPLUS EQUIPMENT

List it with our bureau and Sell Directly to the next user.

50,000 Manufacturers Get Our Offerings Regularly.

They need such units as
FILTER PRESSES - EVAPORATORS
STILLS - MIXERS - DRYERS
or what have you to sell.

For Quicker Action and Better Price Send Full Details and YOUR Price to

EQUIPMENT FINDERS BUREAU
6 Hubert Street, New York 13, N. Y.

FOR SALE

Surplus Chemical Equipment, including

Solvent Extraction Equipment
Sweetland No. 12 Filter
Condensers
Stills — Drying Equipment
Steel Tanks and Pumps
2 — 150 H. P. Boilers
Pulverizing Equipment

Many items have the necessary electric motors.
All of the above located at Malvern, Ark. *Address inquiries to*

AMERICAN DYEWOOD COMPANY
374 MAIN STREET
BELLEVILLE, NEW JERSEY

PURCHASING HEAD WANTED

A very good opportunity is available to a man qualified in purchasing Essential Oils and allied materials with large firm desiring segregation of this branch of their work. Please state age, experience, full background and salary desired. Box 313, Oil, Paint and Drug Reporter.

POSITION VACANT

Wanted, man 30 to 35. Should have chemistry degree, preferably knowledge of chemistry of fats, oils, soaps. Job is control of raw and finished goods, plant work—eventually full control Plant. Starting $3,000.00 and bonus. Later compensation dependent upon results on percentage basis. Write giving full details and past record to Box 294, Oil, Paint and Drug Reporter.

CHEMICAL TRADER

Wanted good chemical trader for purchasing chemical products for export only with first-class knowledge of operation. Wanted by export house. Pay commensurate with ability.

BOX 295
OIL, PAINT and DRUG REPORTER

Advertising Index

Acme Refining Corp. 69
Advance Solvents & Chemical Corp. 82
Albek, Albert, Inc. 72
Allison, Wm. M., & Co. 65
Amcon Trading Corp. 75
American British Chem. Supplies, Inc. 43
American Chlorophyll, Inc. 60
American Dyewood Co. 80
American Firstoline Corp. 82
American Potash & Chemical Corp. 44
Andresen, J. C. 68
Ansul Chemical Co. 49
Apex Chemical Co., Inc. 52
Arnold-Hoffmann & Co., Inc. 73
Aromatic Products, Inc. 68
Atlas Powder Co. 57

Baker, J. T., Chemical Co. 1, 50
Barclay Chemical Co. 40
Barnett Laboratories 60
Barrett Division 46, 49
Bay Chemical Co., Inc. 36
Beacon Company 72
Bemis Bro. Bag Co 19
Berk, F. W., & Co., Inc. 61
Berlage, J., Co. 55
Bethlehem Steel Co 48
Birch-Kline Co., Inc. 52
Bower, Henry, Chemical Mfg. Co. 40
Brill Equipment Co. 79
Brode Corp., The 76
Bromund, E. A., Company 77
Bush Aromatics, Inc. 67
Bush, W. J., & Co., Inc. 66

Calco Chemical Division 12
Calif. Fruit Growers Exchange, Products Dept. 25
Carbide & Carbon Chemicals Corp. 54
Chase Bag Co. 41
Chemical & Process Machinery Co. 79
Chemical Sales Corp. 32, 82
Chemical Solvents, C. P., Inc. 82
Chiris, Antoine, Co., Inc. 67
Church & Dwight Co., Inc. 37
Clarke Distilleries, Ltd. 60
Cleveland Steel Barrel Co. 61
Coastwise Petroleum Co. 48
Coleman & Bell Co. 55
Concord Chemical Co. 43
Conray Products Co. 60
Consolidated Chemical Industries, Inc. 81
Consolidated Products Co., Inc. 78
Consumers Import Co., Inc. 23
Cooper, T. G., & Company 77
Cortizas, M., & Company 65
Coupe, Robert A. 38

Darling & Co. 76
Dawe's Vitamins, Inc. 56
Delton Products Corp. 43
Devold, Peder, Oil Co., Inc. 53
Diamond Alkali Co. 39
Dickerson Company 49
Diehl, Wm., & Co. 77
Distillation Products, Inc. 57
Dodge & Olcott Co. 67

Douglass Sulphur Co. 49
Dow Chemical Co. 38, 40, 43, 54, 58, 61
Drew, E. F., & Co., Inc. 20
Duff Chemical Co., Inc. 40
Dunkel, Paul A., & Co., Inc. 65
Du Pont de Nemours, E. I., & Co., Inc. 1

Edwal Laboratories 57
El Dorado Oil Works 77
Emery Industries, Inc. 75
Emsco Equipment Co. 79
Equipment Finders Bureau 80
Eston Chemicals, Inc. 38

Faesy & Besthoff, Inc. 37
Filter Fabrics 58
Fine Organics, Inc. 54
Firmenich & Co. 67
First Machinery Corp. 17, 18, 78
Florasynth Laboratories, Inc. 66
Frank-Vliet Co., Inc. 65
Fritzsche Bros., Inc. 66

Gartenberg, H., & Co., Inc. 45
Gelb, R., & Sons, Inc. 79
General American Transportation Corp. 27
General Chemical Co. 21
General Drug Co. 24
Gesell, R., Inc. 56
Golwynne Chemicals Corp. 13
Gray, William S., & Co. 1
Greeff, R. W., & Co. 16, 55
Gross, A., & Co. 75
Gunning & Gunning, Inc. 68

Hamilton Laboratories, Inc. 52
Hardesty, W. C., Co. 75
Hardy, Chas., Inc. 38
Heat and Power Co., Inc. 79
Hema Drug Co., Inc. 59
Heyden Chemical Corp. 51
Hoffmann-La Roche, Inc. 33
Hopkins, J. L., & Co. 63
House of Wallace 68
Huisking, Chas. L., & Co., Inc. 53
Hunt Chemical Works, Inc. 43
Hutchinson, D. W., & Co., Inc. 66
Hyman, Julius, & Co. 31

Industrial Products Mfg. Co. 70
Industrial Raw Materials Co. 69, 77
Inland Alkaloid Company 61
Interlake Chemical Corp. 48
Irvington Smelting & Refining Works. 44

Kachurin Drug Co. 63
Kentucky Color & Chemical Co., Inc. 74
Kessler Chemical Co., Inc. 59
Kettner, Max, Co. 65
Koch, W. Walter, Co. 44
Kolker Chemical Works. 44
Koppers Company, Inc. 47
Koster Keunen Mfg. Co., Inc. 77

Lamex Chemical Corp. 56
Lever Brothers Company 52
Loeb, H., & Son 79
Loeb Equipment Supply Co. 80
Lueders, George & Co. 67

Machinery & Equipment Corp. 79
Magnus, Mabee & Reynard, Inc. 66
Mallinckrodt Chemical Works. 15, 73
Mathieu, A. H., & Co., Inc. 40
McKesson & Robbins, Inc. 53
Merchants Chemical Co. 38
Merck & Co., Inc. 8
Metalsalts Corp. 56
Mineral Pigments Corp. 74
Miranol Chemical Co., Inc. 43
Moesch, Walter, & Co. 38
Monsanto Chemical Co. 6
Montrose Chemical Co. 16
Munn, W. A., & Co. 54
Mutual Chemical Co. of America. 44

Natural Products Refining Co. 44
Neuberg, William D., Co. 11
Neville Company 82
Newark Steel Drum Co. 80
Niagara Alkali Company 29
Niagara Chlorine Products Co. 44
Norda Essential Oil & Chemical Co., Inc. 68

Ohio-Apex, Inc. 73
Oil States Petroleum Co., Inc. 69
Oldbury Electro-Chemical Co. 41
Old Dutch Mustard Co. 65
Orbis Products Corp. 65
Ortho Chemical Corp. 56
Osborn, C. J., Co. 73

Pacific Coast Borax Co. 1
Pacific Vegetable Oil Corp. 72
Paramet Corporation 70
Parsons, M. W. 61
Peek & Velsor, Inc. 64
Penick, S. B., & Co. 55, 62, 68
Pennsylvania Industrial Chem. Corp. 71
Pennsylvania Refining Corp. 69
Perry Equipment Corp. 80
Petroleum Specialties, Inc. 76
Petrolite Corp., Ltd. 77
Pfaltz & Bauer, Inc. 56
Pfizer, Chas., & Co., Inc. 35
Pittsburgh Coke & Chemical Co. 32, 82
Pittsburgh Plate Glass Co., Columbia Chemical Div. 28, 37
Prentiss, R. J., & Co., Inc. 64
Prior Chemical Corp. 1
Procter & Gamble. 52

Quaker State Oil Refining Corp. 69

Read, Chas. L., & Co., Inc. 37
Republic Steel Corp. 47
Republic Textile Equipment Co. 79
Riches-Nelson, Inc. 43
Rosenthal, Bercow Co., Inc. 82
Rufert Chemical Co. 13

Sackler, Nathan, & Son. 65
Santonine Co. of America. 53
Seaboard Distributors, Inc. 44
Sergeant, E. M., Pulp & Chemical Co. 41
Sharples Chemicals, Inc. 1
Shell Oil Co., Inc. 73
Shepard Chemical Corp. 82
Smith, George F. 41
Smith, J. Lee, & Co., Inc. 74
Smith, Kline & French Labs. 59
Sonneborn, L., Sons, Inc. 82
Southwest Cedar Oil Co. 67
Standard Brands, Inc. 2
Standard Drug Co., Inc. 54
Standard Oil Co. (Indiana) 70
Standard Ultramarine Co. 72
Stauffer Chemical Co. 41
Stein Equipment Co. 79
Swope Oil & Chemical Co. 38
Synthetic Products Co. 71

Tarzana Herb Farms. 65
Texas Gulf Sulphur Co., Inc. 49
Thompson-Hayward Chemical Co. 36
Thurston & Braidich. 65
Turner, Joseph, & Co. 37

Ultra Penn Refining Co. 69
Union Carbide & Carbon Corp. 54
United States Potash Co., Inc. 49
Universal Trading Corp. 76
Utility Color Company. 72

van Ameringen-Haebler, Inc. 68
Van Gelder Fanto Corp. 58

War Assets Administration. 36, 42, 58, 74
Washine-National-Sands, Inc. 43
Welch, Holme & Clark Co., Inc. 76
Williams, C. K., & Co. 72
Wilson-Martin Div. 75
Woburn Chemical Corp. (N. J.) 73
Wyandotte Chemicals Corp. 30
Zink & Triest Co. 65

Zinsser & Co., Inc. 40

Trade Briefs

William Diehl, of William Diehl & Co., New York, has returned from a three months' business trip to Europe, North Africa and India.

Netherlands Whaling Company, Amsterdam, has issued 3,500,000 guilders (about $1,300,000) worth of new stock at 103 percent of par.

W. D. McLean, burlap executive of the Bemis Bro. Bag Company, stationed in Boston, is in India coordinating the company's Indian burlap interests.

Pantepec Oil Company, Venezuela, has announced that Tucupido Well No. 1, drilled by Atlantic Refining Company under contract, promises existence of an entirely new Venezuelan field. The oil, produced at the rate of 432 barrels daily on a 5½-hour test through a ⅜-inch choke, had a gravity of 40.8 degrees, and showed no water.

ALUMINUM SULPHATE
LIQUOR
(8.5% Al_2O_3 Content)

Consolidated pioneered the sale of aluminum sulphate as liquor, shipped in rubber lined tank cars, for those industries that use this material in solution. The lowered costs that result from the reduced processing involved is passed on to the consumer.

CONSOLIDATED CHEMICAL INDUSTRIES® INC.

SALES OFFICES: SAN FRANCISCO, HOUSTON, NEW YORK
PLANT LOCATIONS: SAN FRANCISCO, CALIF.; WOBURN, MASS.; BASTROP, LA.; BATON ROUGE, LA.; FORT WORTH, TEXAS; HOUSTON, TEXAS; LITTLE ROCK, ARK.; BUENOS AIRES, ARGENTINA

ESTER SOLVENTS

Ethyl, Isopropyl, Butyl and Amyl Acetates

CHEMICAL SOLVENTS

Incorporated

60 Park Place Telephones: BArclay 7-8862 MArket 2-3650 Newark 2, N. J.

SONNEBORN

WHITE MINERAL OILS

PETROLATUMS

PETROLEUM SULFONATES

PETROLEUM SPECIALTIES

Available in a wide range of specifications, these highly refined products meet the most exacting requirements.

White Oil and Petrolatum Division

L. SONNEBORN SONS, INC.

Dept. Z 12, 88 Lexington Avenue, New York 16, N. Y.

Refineries: Petrolia and Franklin, Pa.

Branch Offices: Chicago • Baltimore • Philadelphia • Los Angeles • Stocks Carried in Principal Cities. *In the Southwest:* Sonneborn Brothers, Dallas 1, Texas

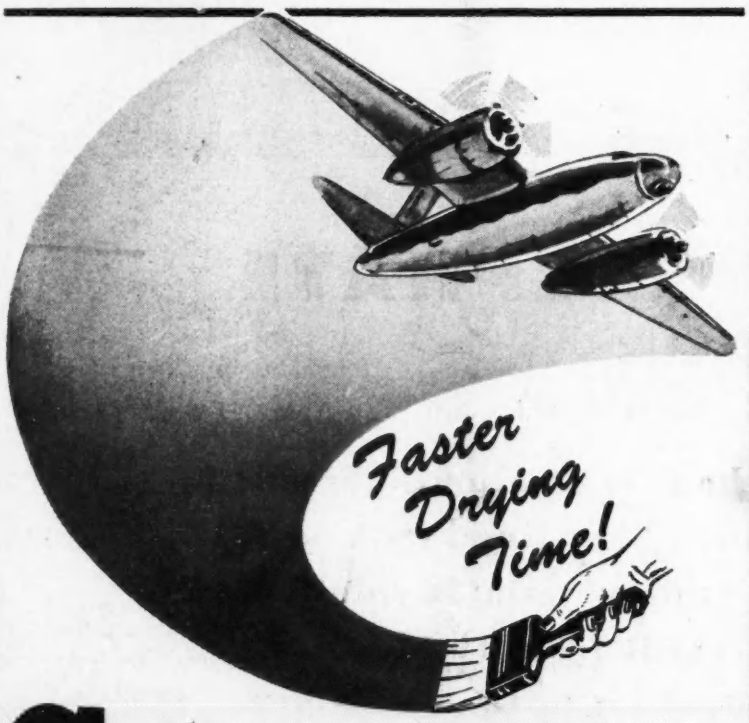
LANOLIN, U.S.P.

PETROLATUM, U. S. P.

• Invite Inquiries on All Chemical Export Requirements

SHEPARD CHEMICAL CORPORATION

33 West 42nd St. Telephone Wisconsin 7-6370 New York 18 N.Y.



SOLIGEN

Driers

ADVANCE SOLVENTS & CHEMICAL CORP.

245 FIFTH AVENUE • NEW YORK 16, N. Y.

COD LIVER OIL MEDICINAL NORWEGIAN U. S. P.

Martens Brand

MARTENS OIL is one of the outstanding brands distributed throughout the world for over 100 years and is the cream of MEDICINAL COD LIVER OIL. As agents for Messrs. Johan C. Martens & Co., Bergen, Norway, we offer for direct import and we solicit your inquiries and orders.

We also carry stock on hand for quick delivery

ROSENTHAL-BERCOW CO., INC.

25 East 26th Street New York 10, N. Y.

Pittsburgh Industrial Chemicals

AROMATIC HYDROCARBONS · TAR ACIDS—PHENOL, CRESOLS · SULPHURIC ACID—ALL GRADES · TAR, PITCH and CREOSOTE · SULPHATE OF AMMONIA · TAR BASES—PYRIDINE, PICOLINES SODIUM CYANIDE · SODIUM THIOCYANATE · ACTIVATED CARBONS

Phone ATLANTIC 2290

Chemical Sales Division

PITTSBURGH COKE & CHEMICAL CO.

GRANT BUILDING · PITTSBURGH 19, PA.

NEVILLE SHINGLE STAIN OILS

THE NEVILLE COMPANY

PITTSBURGH · PA.

Industrial Chemicals — FIRSTOLINE TRADE MARK GENUINE FRENCH PROCESS ZINC OXIDE (SPECIAL ZINC PIGMENTS · METALS AND METAL POWDERS) — *Metal Powders*

ZINC OXIDE

AMERICAN AND FRENCH PROCESS

FOR ALL PHARMACEUTICAL, COSMETIC AND INDUSTRIAL PURPOSES

ZINC CARBONATE—ZINC STEARATE

ZINC SULPHATE

•

NICKEL SULPHATE

SINGLE AND DOUBLE SALTS

•

NICKEL FORMATE • NICKEL OXIDE

COPPER SULPHATE • COPPER CARBONATE

ALUMINUM POWDER

AND PASTE, ALL GRADES

BRONZE POWDER

PALE AND RICH GOLD, ALL GRADES

AMERICAN FIRSTOLINE CORPORATION

420 Lexington Avenue New York 17, N. Y.

CABLE ADDRESS: FIRSTOLINE